



EverFocus Electronics Corp. is a leading manufacturer of CCTV cameras, DVRs, access control systems and other CCTV and access control peripherals. EverFocus has offices located around the world including the U.S.A., U.K., Germany, China, India, Japan and Taiwan. EverFocus offers quality products, superior technical support, project design consultation, certified dealer programs, educational trainings and many more to meet the demands of our customers worldwide. We believe the key component to success lies in the development and quality of our products and excellent customer service.

Focused on You.

"Focused on You." is a true description of EverFocus and our employees. We are constantly trying to redefine our role in the marketplace and the World. Our goal is for every product that we manufacture to be easily installed with minimal maintenance. Our extensive warranty is a testimony to the quality that we achieve on all of our products. Here at EverFocus we take one word to heart when describing our company as a whole: Focused. We are focused on your needs, on providing the industry with great products, and on innovation. When it comes to security equipment, go with the name you trust; go with the name that is Focused on your company.

Thank you for your continued support. We look forward to serving all of your security needs for many years to come.

EverFocus Product Series:

POLESTAR

POLESTAR II **POLESTAR III**

PARAGON

PARAGON 264

ENDEAVOR 264

neVIO HD Series **neVIO Series**

HD CCTV

PARAGON HD



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Quality Management System
ISO9001 Certificates



Quality Management System
ISO14001 Certificates

* All product specifications are subject to change without notice

New Product Information

ENDEAVOR HD+SD DVR

HD+SD CCTV Hybrid Real-time
Megapixel and Standard Video over Coax



HDcctv



P. 14

EZH5242

1080p HDcctv IP66 IR Bullet Camera



HDcctv



P. 16

EQH5202

1080p HDcctv Box Camera



HDcctv



P. 17

EDH5240

2 Megapixel 1080/720 HDcctv
3-Axis Indoor IR Color Dome Camera
with Surface or Flush Mount Capability



HDcctv



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EHH5200

2 Megapixel 1080/720 HDcctv
Outdoor IP66 Vandal Dome Camera



HDcctv



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EHA-CRX

HDcctv to HDMI Converter/Repeater



HDcctv

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PowerVideo Plus

Advanced Central Management Software



P. 24/42/56

PARAGON264 x4 32CH

32 Channels D1 Recording and Playback,
Full HD 1080P Output DVR



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PARAGON264 x1 DVR

16 Channels Network H.264 with
Graphical User Interface



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New Product Information

ENDEAVOR264 x4

16CH D1 Real-time Recording and Playback, Full HD 1080P Output DVR



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ECOR264 D3 Series

Cost Effective H.264 Performance plus a Powerful Feature Set



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EMV200S/EMV400S

Ultra Compact 2/4 Channels H.264 Portable/Mobile DVR with Built-in G sensor



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ED630s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Indoor IR Dome Camera



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ED630e

700 TVL, D-WDR & 3-Axis Gimbal Mechanism Indoor IR Dome Camera



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EXD330e

700 TVL, 3-Axis High Resolution IR Day/Night Compact Indoor Dome Camera



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ED630x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism Indoor IR Dome Camera



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ED610s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Indoor Dome Camera



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ED610e

700 TVL, D-WDR & 3-Axis Gimbal Mechanism Indoor Dome Camera



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* All product specifications are subject to change without notice

New Product Information

EXD300e

700 TVL, 3-Axis High Resolution Compact Indoor Dome Camera



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ED610x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism Indoor Dome Camera



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EHD630s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Vandal Proof & Weather Resistant Outdoor IR Dome Camera



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EHD630e

700 TVL, D-WDR, 3-Axis Gimbal Mechanism, Vandal Proof & Weather Resistant Outdoor IR Dome Camera



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EHD630x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism Vandal Proof & Weather Resistant Outdoor IR Dome Camera



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EHD610s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Vandal Proof & Weather Resistant Outdoor Dome Camera



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EHD610e

700 TVL, D-WDR, 3-Axis Gimbal Mechanism, Vandal Proof & Weather Resistant Outdoor Dome Camera



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EHD610x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism, Vandal Proof & Weather Resistant Outdoor Dome Camera



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EZ632e

700 TVL, High Resolution Day/Night Weather Resistant Outdoor IR Bullet Camera



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New Product Information

EQ610s

700 TVL, True Day/Night,
Super Low Light & D-WDR, Box Camera



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EQ610e

700 TVL, True Day/Night, D-WDR
Indoor Box Camera



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EQ610x

600 TVL, High Resolution
D-WDR, Box Camera



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Megapixel Lens IR Corrective



EFV-M0940DCIR/
EFV-M0940IR



EFV-M1600DCIR/
EFV-M1600IR



EFV-M0880DCIR

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HDcctv

HDcctv *Cutting-edge HD-SDI Surveillance System*

True Plug-and-play

Real-time High Definition Resolution Recording over COAX

Deliver and record High Definition image quality using traditional coaxial cable*!

Wire new HDcctv megapixel systems with familiar and easy to install coax and BNC connectors, or reuse the existing coax infrastructure to efficiently upgrade analog systems to megapixel digital performance without the need to design and deploy an IP network. Each home run coaxial cable provides a full bandwidth dedicated communication path for the HD-SDI/HDcctv standards compliant signal; no congestion, latency or distortion. Make the transition from SD/D1 to Full HD as easy as attaching new EverFocus HDcctv cameras to the existing coax and power, and upgrading the DVR to the Paragon HD DVR or the ENDEAVOR HD+SD DVR. Don't have to worry about switches, routers and IP addresses anymore. EverFocus HDcctv DVRs and HDcctv cameras provide more than 6 times higher resolution than traditional SD DVRs to record and playback HD image quality at 240/200fps that were carried over COAX.

*Up to 500 feet, longer distances with EverFocus extenders

**The standard RG-59 cable specialists are required for standard installation.
Please refer our user manual for more detailed information.**

Advantages

Pentaplex Operation plus Dual Streaming

For optimized system performance, HDcctv DVR can simultaneously record HD resolution at 30/25fps. It also automatically employs dual streaming for remote multiplex display, reducing the image size in the DVR to efficiently deliver 30/25fps on all cameras. For example, if recording/playing at HD/D1 resolution, dual streaming at CIF resolution allows remote viewing of full motion on all cameras while conserving bandwidth. Thus it can achieve HD real-time recording and playback locally, and still deliver smooth remote motion reproduction during network playback in low bandwidth environments.

Convenient Monitoring With Web-viewer

HDcctv DVR has a built-in web server that enables users to monitor live and playback DVR images without special software, through a web browser from any supported PC.



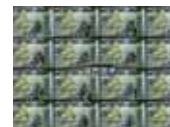
Web-viewer

Powerful Search with Smart Function

User can search video by date, time and event or filter by type of recording quickly and efficiently. A Smart Search function enables you to set specific region of interest (ROI) in the field of view and search monitors within the ROI by any camera at any date back relevant video for efficient review of significant activities, and Snapshot Search extracts images at a defined interval to quickly locate events.



Smart Search



Snapshot Search

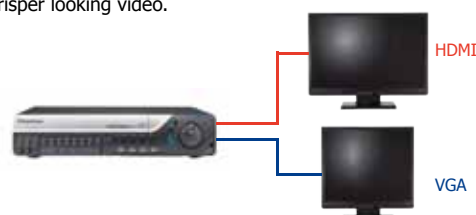
Video Streaming to Mobile Devices

HDcctv DVR supports real-time streaming for MAC Safari, Firefox and Opera on PCs, plus mobile monitoring, allowing you the capability to check your home or business on-the-go directly from a variety of web capable mobile devices – FREE! No additional servers or purchased programs required. EverFocus also offers a FREE MobileFocus app for iPhone & Android™.

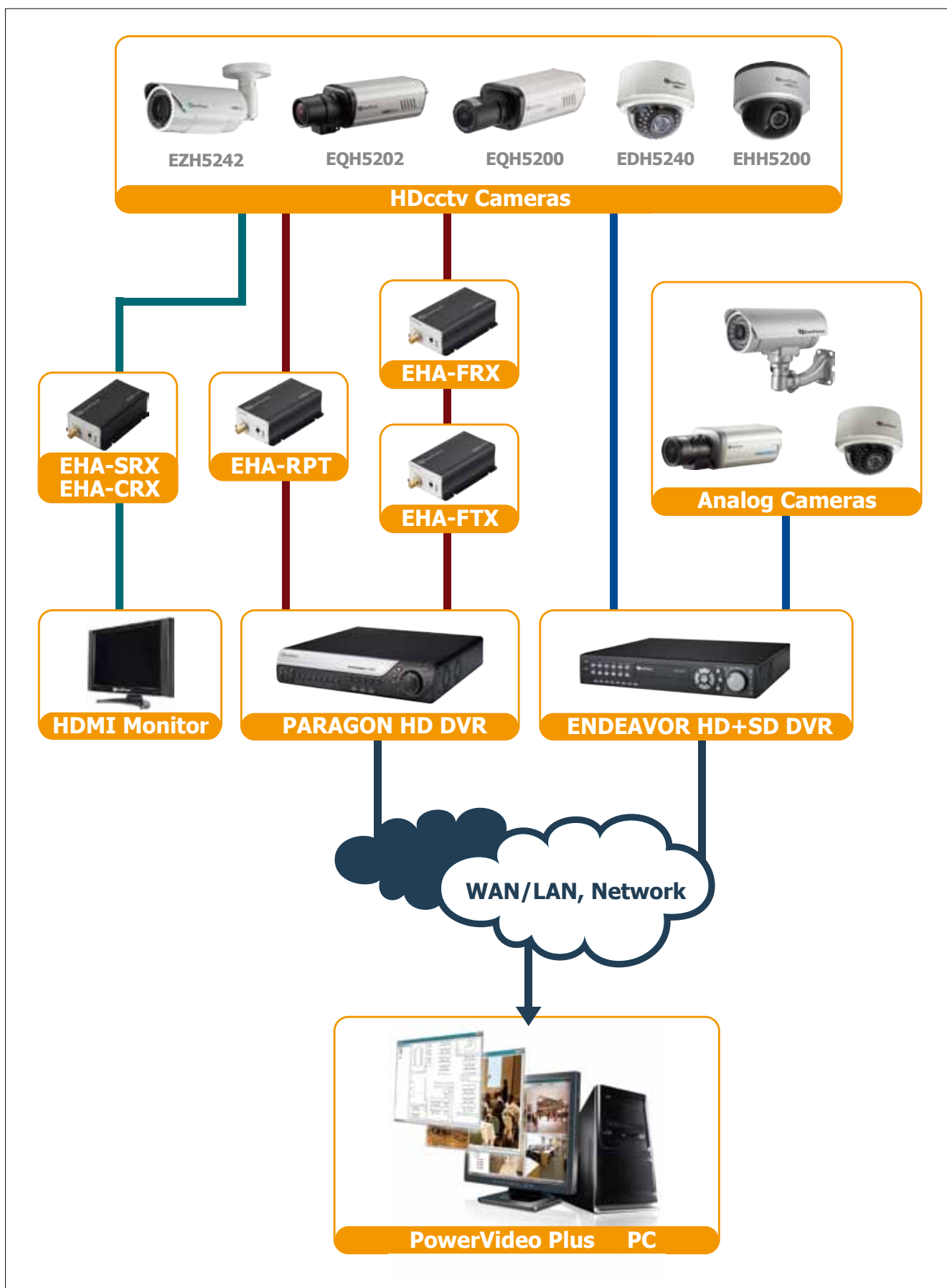


HDMI and VGA Multiplex Monitor Outputs

Full HD 1920x1080 provides superior picture performance on a massive scale, with two entire megapixels of resolution allocated to monitor display. HDMI and VGA digital outputs render stunning images from any resolution, and enhance motion reproduction to deliver smoother and crisper looking video.

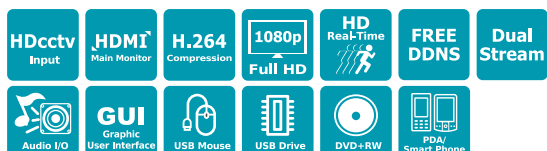


HDcctv System Configuration



PARAGON HD DVR

8 Channels H.264, Pure HDcctv Real-time
Recording & Playback, Megapixel Video Over Coax



Features

- Choice of 1080i, 1080p or 720p HDcctv Camera support for superlative image clarity
- H.264 Compression format for efficient recording
- HD real-time recording and playback rate for all cameras (at 720p)
- HDMI 1080p and VGA multiplex view main monitor outputs
- Simultaneous high resolution recording (1080p/720p) with reduced bandwidth remote view streaming
- MobileView support: check your home or business on-the-go from your PDA or SmartPhone
- Pentaplex operation (simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS service—static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Support for 4 fixed internal HDD plus and eSATA external HDD
- Multiple control inputs: mouse / front panel / IR remote controller / EKB500 keyboard
- Express setup: a unique menu option for quick & easy installation
- Express archive: archive video instantly (to USB) while playing back
- Express playback: simple point, click and drag the playback bar to view desired recordings
- Express search: use the intuitive playback bar with simple drag & drop operations
- Smart Search: quickly identify motion in areas of interest from recorded video
- Snapshot search: extract images from recorded video at specific intervals to quickly locate events
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Per channel audio recording capabilities
- Built-in DVD burner
- 3 USB 2.0 ports for video archive and mouse usage
- Multi-language support
- 19" rack mountable (rack ears included)

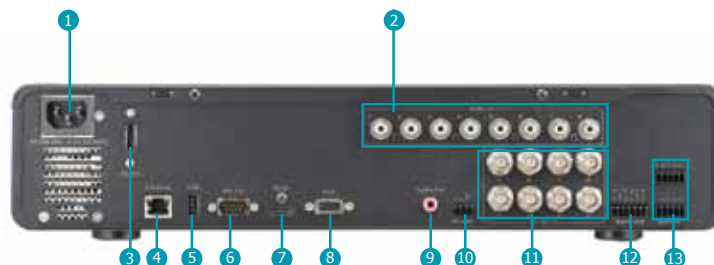
Specifications

HDcctv Camera Inputs	8 BNC SMPTE 292M compliant
Recording Rate/Resolution	120/100fps@1080p; 15/12.5 per channel 240/200fps@720p; 30/25 per channel
Playback Rate/Resolution	15/12.5fps@1080p; 120/100fps@480x256 30/25fps@720p; 240/200fps@320x176
Compression Format	H.264
Dual Streaming	Yes
Mobile Viewing on PDA/Smartphone	Yes; various platforms and browsers supported
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Output	Main Monitor 1080P HDMI+VGA
Audio Input/Output (RCA)	8 Inputs / 1 Output
Recording Mode	Manual, Schedule and Event
Playback Search	Date/Time Search, Event Search, Smart Search, Snapshot Search
Alarm In	8 Alarm Inputs
Alarm Out	2 Alarm Outputs—Form "C" rated at 30VDC, 1A
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Internal HDD	4 Internal HDD
External HDD	1 eSATA
Built-in DVD Burner	Slim Type DVD Burner
User Interface	GUI (Graphical User Interface – easy mouse or front panel navigation)
OS	Embedded Linux
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP / PPPoE / DDNS / UDP / SMTP / SSL / RTP / RTSP / NTP
USB	3 USB 2.0 port (2 on Front Panel, 1 on Back Panel)
Schedule Setting	Supports Express and Advanced Schedule Setting
User Access	3 Levels of User Access Support
RS-232	9-pin D-Sub socket (male)
RS-485	1 RS485 (3 Terminal connector)
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Power Source	100~240VAC
Power Consumption	180W
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)
Dimensions (L x W x H)	410 x 430 x 88mm/16.2" x 16.9" x 3.5"
Certificates	CE, FCC, UL

Major Operating Controls

- | | |
|-----------------------|---------------------------|
| 1 Main Power Plug | 8 VGA Monitor Out |
| 2 Audio In (8) | 9 Audio Out |
| 3 eSATA | 10 RS-485 Connector |
| 4 Network Connector | 11 HDcctv Video Input (8) |
| 5 USB Slot | 12 Alarm Out (2) |
| 6 RS232 Connector | 13 Alarm In (8) |
| 7 HDMI Monitor Output | |

Rear View



- Front & back panel controls vary depending on models

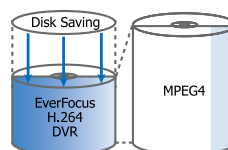
Advantages

Real-time High Definition Resolution Recording over COAX

Deliver and record High Definition image quality using traditional coaxial cable*! Retain plug-and-play ease of installation: select leading edge EverFocus HDcctv cameras that use the advanced HDcctv video signals to send full HD, megapixel resolution digital video over the same coax* that once carried only standard definition video. The Paragon HD DVR makes a tremendous leap forward in image quality by providing more than 6 times higher resolution than SD DVRs to record and playback HD image quality at 240/200fps that were carried over COAX. The Paragon HD DVR also provides HD quality still image recording in response to event notifications.

*Up to 500 feet, longer distances with extenders

► Comparison



H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient in compression ratio than MPEG-4. Another benefit from H.264 compression is the remote viewing of high quality images with lower LAN/WAN bandwidth utilization.

Pentaplex Operation plus Dual streaming

For optimized system performance, the Paragon HD DVR can simultaneously record HD resolution on all 8 cameras at 30/25fps. It also automatically employs dual streaming for remote multiplex displays, reducing the image size in the DVR to efficiently deliver 30/25fps on all cameras for full motion simultaneous remote viewing of up to 8 cameras. Thus it can achieve HD real-time recording and playback locally, and still deliver smooth remote motion reproduction during network playback in low bandwidth environments.

Convenient Monitoring with Web-viewer

The Paragon HD DVR has a built-in web server that enables users to monitor live and playback DVR images without special software, through a web browser from any supported PC.

Video Streaming to Mobile Devices

The Paragon HD DVR supports http streaming for MAC and PDA/SmartPhone monitoring on a variety of PC's and mobile devices, allowing you the capability to check your home or business on-the-go directly from a variety of mobile devices – FREE! No additional servers or purchased programs required.

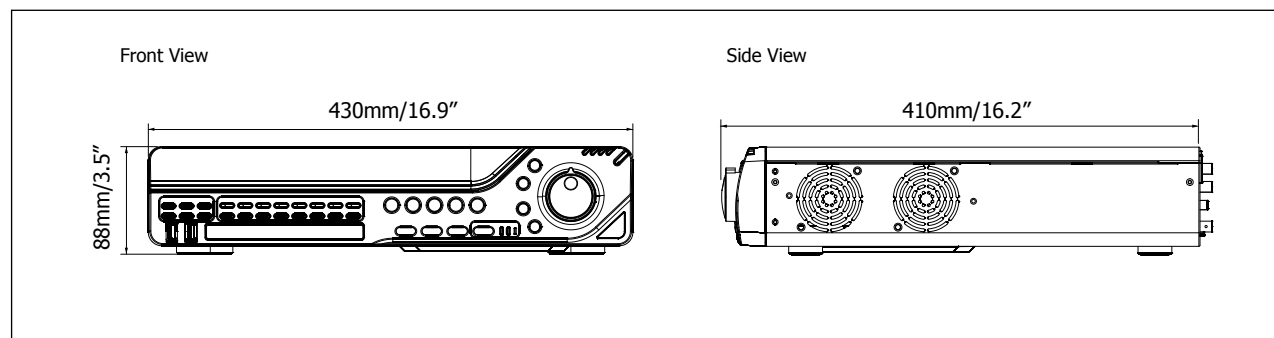


Mobile Device

HDMI and VGA Multiplex Monitor Outputs

Full HD 1920x1080 provides superior picture performance on a massive scale, with two entire megapixels of resolution allocated to monitor display. HDMI and VGA digital outputs render stunning images from any resolution, and enhances motion reproduction to deliver smoother and crisper looking video.

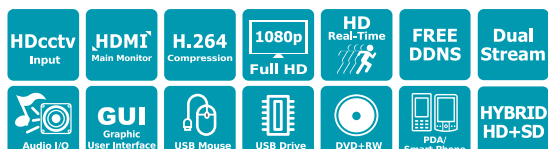
Dimensions



ENDEAVOR HD+SD DVR

HD+SD CCTV Hybrid Real-time
Megapixel and Standard Video over Coax

NEW



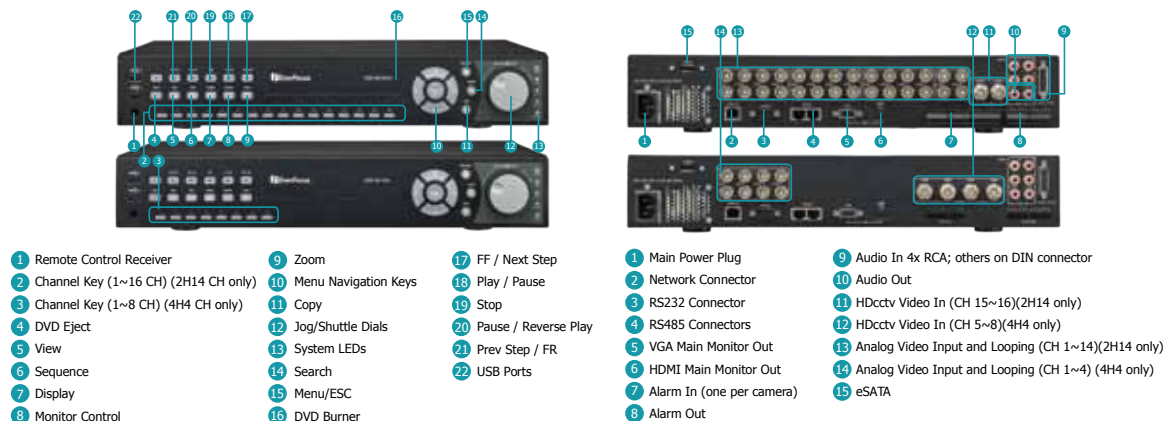
Features

- Both HDcctv Megapixel Video Inputs and Analog Video Inputs
- Choose 720p or 1080p HD resolution recording for HDcctv Video Inputs up to 30fps/camera
- H.264 compression format to minimize optimize disk space consumption
- Dual streaming to optimize remote viewing bandwidth utilization
- Real-time recording rate and playback rate - up to 30fps@D1 on analog and 30fps@HD on HDcctv recording resolution and rate can be set independently for each camera, and changed via user defined schedule
- Multiple Main Monitors : HDMI 1080p / VGA (1920x1080) output for stunning image clarity
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- User friendly GUI with graphical icons and visual indicators
- Free EverFocus DDNS Service static IP address is not required for reliable remote access
- Supports eSATA external HDD array (EDA450)
- Supports remote/mobile monitoring via PC browsers, Smartphones and iPhone/Android apps
- Multiple Control Inputs: mouse / front panel / IR remote control / EKB500 keyboard
- Express Setup: A unique menu option for quick & easy installation and setup
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Archive: Archive video instantly (to USB) while playing back
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Review recorded video to identify motion in area(s) of interest
- Snapshot search: choose an interval and direction, view a series of snapshots to quickly isolate incidents
- Remote configuration support from built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- Audio recording capabilities
- Up to 4 internal HDDs
- Built-in DVD burner
- 2 USB 2.0 ports for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications of recorded data
- Compatible with FREE EverFocus Central Management Software
- USB Mouse and IR remote control included
- 19" Rack mountable – rack ears included

Specifications

Model Name	EDR HD-2H14	EDR HD-4H4
HDcctv Camera Inputs	2 BNC SMPTE 292M compliant	4 BNC SMPTE 292M compliant
Analog Camera Inputs	14 BNC	4 BNC
Looping Analog Camera Outputs	14 BNC	4 BNC
Compression Format	H.264	
Dual Streaming	Yes (Configurable)	
HD Recording Rate/Resolution	30fps NTSC / 25fps PAL(1080p)	60fps NTSC / 50fps PAL(1080p)
Choose one resolution for both channels	60fps NTSC / 50fps PAL(720p)	120fps NTSC / 100fps PAL(720p)
Analog Recording Rate/Resolution	420fps NTSC / 350fps PAL(D1)	120fps NTSC / 100fps PAL(D1)
Resolution and rate can be set independently per camera up to the total D1 recording capacity		
HD Playback Rate/Resolution	Up to 30fps NTSC / 25fps PAL	Up to 45fps NTSC / 37.5fps PAL
	Up to 60fps NTSC / 50fps PAL	Up to 90fps NTSC / 75fps PAL
Analog Playback Rate/Resolution	Up to 420fps NTSC / 350fps PAL(D1)	Up to 120fps NTSC / 100fps PAL(D1)
Mobile View	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers	
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Main Monitor Outputs (simultaneous display)	1080p HDMI (socket Type A 19 pin female) and VGA 1920 x 1080 @ 60 Hz (D-Sub socket 15 pin female)	
Audio Inputs	16 Inputs (RCA, line level)	8 Inputs (RCA, line level)
Audio Outputs	2 Outputs (RCA, line level)	
Recording Modes	Manual, Schedule and Event	
Playback Search	Date/Time, Event, Tex, Smart, Snapshot	
Alarm Inputs	16	8
Alarm Outputs	4 Alarm Outputs – Form "C" rated at 30VDC, 1A	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
Internal HDD Support	4 Internal HDD (up to 8 Tb max at time of printing)	
External HDD Support	1 eSATA	
DVD Drive	DVD RW Built-In	
User Interface	Color GUI (Graphical User Interface)	
OS	Embedded Linux	
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP / PPPoE / DDNS / UDP / SMTP / SSL / HTTP / NTP / ICMP / ARP	
Control PTZ via OSD	Local and via web interface	
USB	2 Front Panel USB 2.0 port	
Schedule Setting	Support Express and Advanced Schedule Setting	
User Access	3 Levels of User Access Support	
RS-232	9-pin D-Sub socket (male)	
RS-485	1 RS485 (2 RJ45 connector)	
Power Source	100~240VAC	
Power Consumption	110W max. with 4 x HDD	
Dimensions (L x W x H)	423 x 430 x 79.5mm/16.6" x 16.9" x 3.2"	
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)	
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Certificates	CE, FCC, UL	

Major Operating Controls



Advantages

Hybrid Real-Time High & Standard Definition Resolution Recording over COAX

Deliver and record both High & Standard Definition image quality using traditional coaxial cable*! Retain plug-and-play ease of installation: select leading edge EverFocus HDcctv cameras that use the advanced HDcctv video signals to send full HD, megapixel resolution digital video over the same coax* that once carried only standard definition video. The ENDEAVOR HD+SD DVR delivers "hybrid" recording that allows HDcctv cameras and conventional analog cameras to be recorded on the same DVR. This unique platform provides a gradual migration path to High Definition video recording while still supporting the use of existing analog equipment.

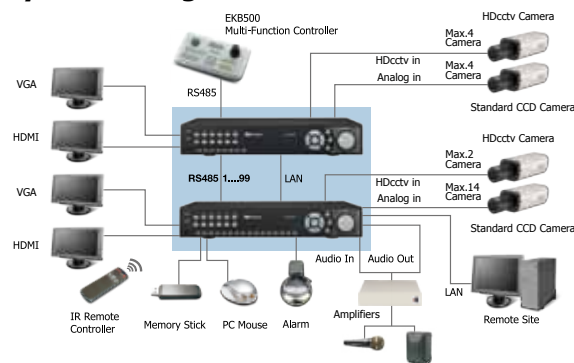
*Up to 500 feet, longer distances with extenders



HDMI and VGA Multiplex Monitor Outputs

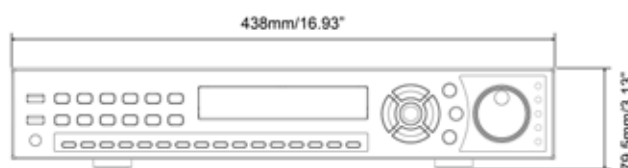
Full HD 1920x1080 provides superior picture performance on a massive scale, with two entire megapixels of resolution allocated to monitor display. HDMI and VGA digital outputs render stunning images from any resolution, and enhance motion reproduction to deliver smoother and crisper looking video.

System Configuration

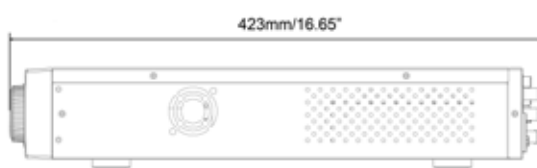


Dimensions

Front View



Side View



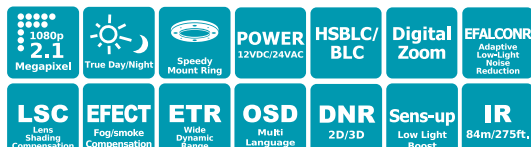
EZH5242

1080p HDcctv IP66 IR Bullet Camera

NEW



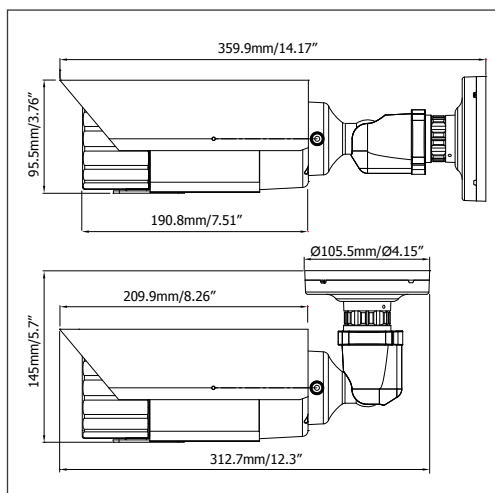
HDcctv



Features

- 2.1 Megapixel 1920x1080p HDcctv HD video over coax for superlative image detail
- 2.8~10mm AI VF Megapixel lens plus optional electronic Lens Shading Compensation captures the desired field of view with uniform image illumination
- True day/night operation with 44 IR LEDs for effective range up to 84m/~275 ft.
- Provides ICR/2D&3D DNR/EFALCONR/SENS-UP (up to 60x) to improve image clarity in low light scenes
- ETR (EverFocus Tone Reproduction) to deliver properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- HSBLC/BLC with programmable zones aid in control of image exposure and contrast in the presence of concentrated light sources such as automobile headlights or from deep shadows surrounding objects of interest
- EFFECT (EverFocus Enhanced Contrast Technology) delivers recognizable images despite interference from fog or smoke
- Digital zoom increases effective lens magnification and includes PIP viewer for adjusting electronic pan, tilt and zoom
- Up to 8 Privacy Zones programmable for size, location and color detection
- Dead pixel compensation for increased clarity and extended service life
- Easy to use OSD setup menu for digital signal processing feature control
- SD TV Out to aim and focus using a standard hand held test monitor
- Dual Voltage Power Source 12VDC/24VAC
- Weather Resistant IP66 rated with performance in cold climates down to -40 degrees

Dimensions



Specifications

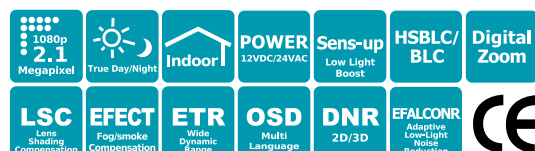
Pickup Device	1/3" Panasonic 2.1 Megapixel Color Progressive CMOS sensor
Image Pixels	1920(H) x 1080(V) with 2.75µ x 2.75µ pixel size
HDcctv Image Area Dimensions	5.28mm(H) x 2.97mm(W); Ø 6.06mm area diagonal
Angle of View	Wide end: Diagonal 94.5°; Horizontal 86.6°; Vertical 55.9° Narrow end: Diagonal 33.7°; Horizontal 29.6°; Vertical 16.9°
Sensitivity	0.4 Lux/F=1.2; 0 Lux(IR LED ON)
S/N Ratio	Max. 50dB
Video Format Main Output	HDcctv
Video Resolution/Mode Main Output	1920 x 1080p 30/25
Main Output Connector	BNC
Video Format Test Output	NTSC/PAL selectable
Test Output Connector	Pin header; adapter cable to BNC supplied
Lens Type	DC Iris Megapixel Varifocal lens, f=2.8m~10mm
IR LEDs	44 LEDs with wavelength of 850nm
IR Range	Up to 84m/275ft. (depends on scene IR reflectivity)
True Day/Night Control	Yes (Auto IR cut filter removal)
OSD Menu	Yes (controlled from 5-axis joystick control)
Electronic Shutter	Auto/Manual selectable
Polestar SENS-UP	Low light boost 2X~60X(recommended no more than 8X without careful consideration of application conditions)
EverFocus Tone Reproduction (ETR)	Off/Low/Medium/High [Electronic Wide Dynamic Range]
Lens Shading Compensation	On/Off
Back Light Compensation (HSBLC=Highlight Suppression Back Light Compensation)	Off/BLC/HSBLC BLC (select areas from 8x15 grid) HSBLC (4 zones programmable for size and location)
Auto Gain Control	Low/Middle/High
Auto White Balance	ATW/Push/Manual/Outdoor/Indoor
DNR	Common Level Adjust 0~100 2D DNR - On/Off; 3D DNR - On/Off EFALCONR [EverFocus Adaptive Luminance Compensated Optimized Noise Reduction] -On/Off
EFFECT (EverFocus Enhanced Contrast Technology)	Low/Middle/High EFFECT improves contrast in smoke, fog and similar conditions
Digital Zoom	2X~64X with optional PIP mode for ease of electronic pan/tilt alignment
Motion Identification	On screen highlighting of changing areas
OSD Text Color Control	Custom camera title; ability to change text display color and turn black text outline off/on to contrast with scene
Image Flip	Off/H Flip/V Flip/HV Flip (rotate 180°)
Programmable Privacy Zones	8 areas independently adjustable for size, location, color
OSD Text Language Selection	English / Traditional Chinese / Simple Chinese / Japanese
Dead Pixel Compensation	Dynamic Method Off/On/Auto; Static Method Off/On; separate adjustable threshold levels
Power Source & Consumption	DC12V 650mA 7.8W (Max) AC24V 430mA 10W (Max)
Mounting	Speedy-mount ring attaches easily to mounting surface and fits 4" electrical box pattern; camera base attaches to ring or can be removed to fit 1" conduit thread
Weather Resistant	IP66 rated
Operating Environment	-40°C~50°C/-40°F~122°F
Dimensions (O.D.x L) (O.D. x H x L)	(In line) Ø105.5 x 359.9mm/Ø4.15" x 14.17" (Right angle) Ø105.5 x 145 x 312.7mm/Ø4.15" x 5.7" x 12.3"
Weight	1.5kg/3.31lbs
Certificates	CE, FCC

EQH5202

1080p HDcctv Box Camera

NEW

HDcctv

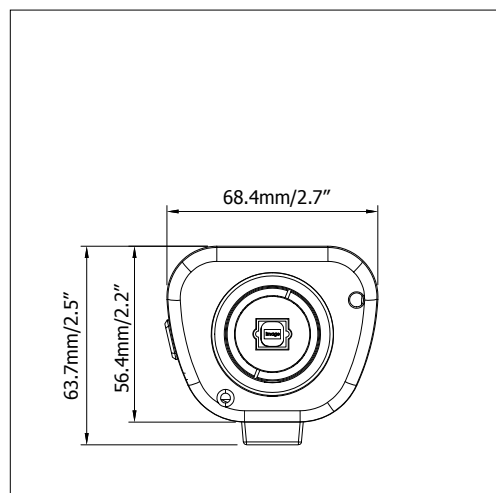


*Lens sold separately

Features

- 2.1 Megapixel 1920x1080p HDcctv HD video over coax for superlative image detail
- CS/C mount, manual and DC iris control for flexible choice of HD Megapixel lenses
- Electronic Lens Shading Compensation for uniform image illumination across the desired field of view
- True Day/Night operation with automatic ICR module
- Provides 2D&3D DNR/EFALCONR/SENS-UP (up to 60x) to improve image clarity, particularly in low light scenes
- ETR (EverFocus Tone Reproduction) to deliver properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- EFFECT (EverFocus Enhanced Contrast Technology) delivers recognizable images despite interference from fog or smoke
- Digital zoom increases effective lens magnification and includes PIP viewer for adjusting electronic pan, tilt and zoom
- HSBLC/BLC with programmable zones aid in control of image exposure and contrast in the presence of concentrated light sources such as automobile headlights or from deep shadows surrounding objects of interest
- Up to 8 Privacy Zones programmable for size, location and color detection
- Dead pixel compensation for increased clarity and extended service life
- Easy to use OSD setup menu for digital signal processing feature control
- SD TV Out to aim and focus using a standard hand held test monitor
- Dual Voltage Power Source 12VDC/24VAC

Dimensions



Specifications

Pickup Device	1/3" Panasonic 2.1 Megapixel Color Progressive CMOS sensor
Image Pixels	1920(H)x1080(V) with 2.75µx 2.75µ pixel size
HDcctv Image Area Dimensions	5.28mm (H) x 2.97 mm(W); ø 6.06 mm area diagonal
Sensitivity	0.4Lux/F=1.2; 0 Lux(IR LED ON)
S/N Ratio	Max. 50dB
Video Format Main Output	HDcctv
Video Resolution/Mode Main Output	1920x1080p 30/25
Main Output Connector	BNC
Video Format Test Output	NTSC/PAL selectable
Test Output Connector	Pin header; adapter cable to BNC supplied
Lens Type	C/CS mount, (Adapter included for C-mount; lens sold separately).
Lens Control	manual/DC iris control support
OSD Menu	Yes (controlled from 5-axis joystick control)
True Day/Night Control	Yes (Auto IR cut filter removal)
Electronic Shutter	Auto/Manual selectable
Polestar SENS-UP	Low light boost 2X~60X (recommended no more than 8X without careful consideration of application conditions)
EverFocus Tone Reproduction (ETR)	Off/Low/Medium/High (Electronic Wide Dynamic Range)
Lens Shading Compensation	Off/On
Back Light Compensation (HSBLC=Highlight Suppression Back Light Compensation)	Off/BLC/HSBLC BLC (select areas from 8x15 grid) HSBLC (4 zones programmable for size and location)
Auto Gain Control	Low/Middle/High
Auto White Balance	ATW/Push/Manual/Outdoor/Indoor
DNR	Common Level Adjust 0~100 2D DNR – Off/On; 3D DNR – Off/On EFALCONR [EverFocus Adaptive Luminance Compensated Optimized Noise Reduction] – Off/On
EFFECT (EverFocus Enhanced Contrast Technology)	Low/Middle/High EFFECT improves contrast in smoke, fog and similar conditions]
Digital Zoom	2X~64X with optional PIP mode for ease of electronic pan/tilt alignment
Motion Identification	On screen highlighting of changing areas
OSD Text Color Control	Custom camera title; ability to change text display color and turn black text outline off/on to contrast with scene
Image Flip	Off/H Flip/V Flip/HV Flip (rotate 180°)
Programmable Privacy Zones	8 areas independently adjustable for size, location, color
OSD Text Language Selection	English / Traditional Chinese / Simple Chinese / Japanese
Dead Pixel Compensation	Dynamic Method Off/On/Auto; Static Method Off/On; separate adjustable threshold levels
Power Source & Consumption	DC12V 220mA 2.64 (Max) AC24V 155mA 3.6W (Max)
Operating Environment	-0°C~45°C/32°F~113°F (20%~80% Humidity)
Dimensions (W x D x H)	68.4 x63.7x150mm/2.7"x2.5"x5.9"
Weight	410g/0.90lbs
Certificates	CE, FCC

EDH5240

2 Megapixel 1080/720 HDcctv
3-Axis Indoor IR Color Dome Camera
with Surface or Flush Mount Capability

NEW



HDcctv



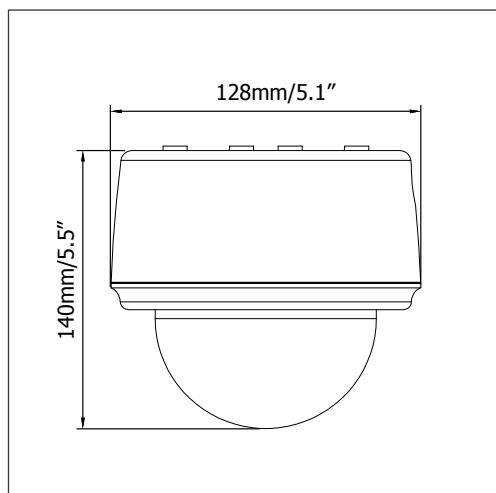
Features

- HDcctv 2 Megapixel real-time 1920x1080 (or 1280x720) HD video over coax
- 2 Megapixel progressive scan CMOS sensor
- Supports video outputs of 1080i, 1080p and 720p (field select)
- True Day/Night operation with automatic ICR module
- 3-Axis positioning for flexible mounting and aiming
- 3.3~10mm AI VF megapixel lens captures the desired field of view
- Field select choice of wall or ceiling, surface or flush mounting
- Easy to use OSD setup menu
- Dual Video Outputs: Megapixel HDcctv (BNC) SD TV Out (BNC) for aim and focus using a standard hand held test monitor
- Dual Power Source 12VDC/24VAC dual voltage auto polarity detect

Specifications

Pickup Device	1/2.7" 2 Megapixel CMOS sensor
Sensitivity	0.5 Lux/F=1.3; 0 Lux IR ON
S/N Ratio	39dB
Video Format Main Output	HDcctv / SMPTE 292M
Resolution Main Output	1920x1080 or 1280x720
Video Mode Main Output	Field select 1080i60, 1080p30 or 720p60 for 60Hz systems 1080i50, 1080p25 or 720p50 for 50Hz systems
Main Output Connector	BNC-F
Video Format Test Output	NTSC/PAL selectable 1V p-p
Test Output Connector	Pin header; adapter cable to BNC-F supplied
Electronic Shutter	Auto, 1/60(1/50)~1/8,000
Lens Type	Vari-Focal lens, Auto Iris, f=3.3~10mm, F=1.3
True Day/Night Control	Yes (Auto IR cut filter removal)
Back Light Compensation	On/Off selectable
Auto Gain Control	High/Middle/Low/Off selectable
Auto White Balance	AWB / One Push WB / Manual WB / Indoor / Outdoor selectable
Gamma Correction	PC/TV selectable
OSD Menu	Yes (operated from 5-axis joystick control)
Mirror	H_MIR / V_MIR / Rotate
IR Distance	20m/65 ft.
IR Wavelength	850nm
Power Source	12VDC/24VAC auto polarity detect
Power Consumption	24VAC: 9W max. (500mA nominal, IR on) 12VDC: 7W max. (500mA nominal, IR on)
Operating Temperature	0°C~40°C / 32°F~104°F (20%~80% Humidity)
Dimensions (Φ x H)	Surface Type: 140 x 128mm/5.5" x 5.1" Flush Type: 140 x 68mm/5.5" x 2.8"
Weight	660g/1.45lbs
Certificates	CE, FCC

Dimensions



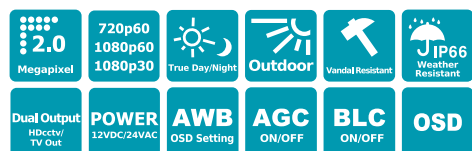
EHH5200

2 Megapixel 1080/720 HDcctv
Outdoor IP66 Vandal Dome Camera

NEW



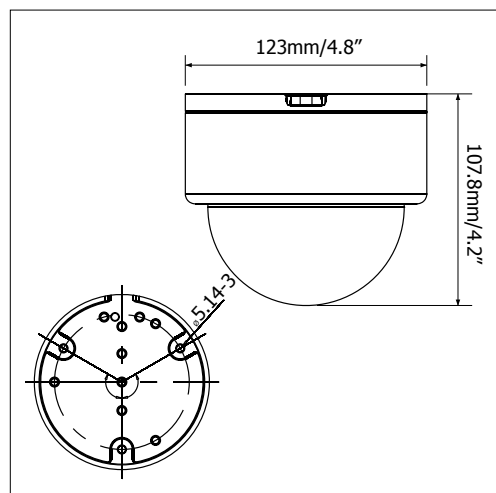
HDcctv



Features

- HDcctv 2 Megapixel real-time 1920x1080 (or 1280x720) HD video over coax
- 2 Megapixel progressive scan CMOS sensor
- Supports video outputs of 1080i, 1080p and 720p (field select)
- True Day/Night operation with automatic ICR module
- 3.3~12mm AI VF megapixel lens captures the desired field of view
- Field select choice of wall or ceiling mounting
- Easy to use OSD setup menu
- SD TV Out (BNC) for aim and focus using a standard hand held test monitor
- Dual Power Source 12VDC/24VAC dual voltage auto polarity detect
- Vandal resistant
- Weatherproof IP66 rated

Dimensions



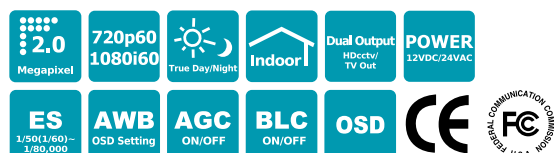
Specifications

Pickup Device	1/2.7" 2 Megapixel CMOS sensor
Sensitivity	0.5 Lux/F=1.4
S/N Ratio	39dB
Video Format Main Output	HDcctv / SMPTE 292M
Resolution Main Output	1920x1080 or 1280x720
Video Mode Main Output	Field select 1080i60, 1080p30 or 720p60 for 60Hz systems 1080i50, 1080p25 or 720p50 for 50Hz systems
Main Output Connector	BNC-F
Video Format Test Output	NTSC/PAL selectable 1V p-p
Test Output Connector	Pin header; adapter cable to BNC-F supplied
Electronic Shutter	Auto, 1/60(1/50)~1/8000
Lens Type	Vari-Focal lens, Auto Iris, f=3.3~12mm, F=1.4
True Day/Night Control	Yes (Auto IR cut filter removal)
Back Light Compensation	On/Off selectable
Auto Gain Control	High/Middle/Low/Off selectable
Auto White Balance	AWB / One Push WB / Manual WB / Indoor / Outdoor selectable
Gamma Correction	PC/TV selectable
OSD Menu	Yes (controlled from 5-axis joystick control)
Mirror	H_MIR / V_MIR
Power Source	12VDC/24VAC
Power Consumption	24VAC: 6W max. (250mA nominal) 12VDC: 4W max. (500mA nominal)
Weatherproof	IP66 rated
Vandal Resistant	Yes
Operating Temperature	-10°C~50°C / 14°F~122°F (20%~80% Humidity)
Dimensions (Φ x H)	123 x 107.8mm/4.8"x 4.2"
Weight	740g/1.6lbs
Certificates	CE, FCC

EQH5200

2 Megapixel 1080/720
HDcctv Camera

HDcctv



*Lens sold separately

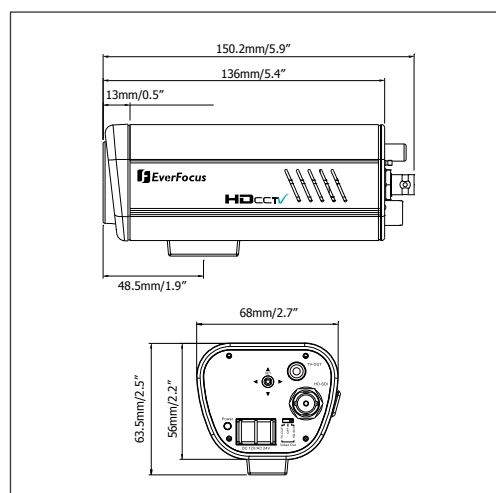
Features

- HDcctv 2 Megapixel real-time 1080i HD video over coax
- 2 Megapixel progressive scan CMOS sensor
- Supports video outputs of 720p and 1080i
- Lens Types: supports DC and manual iris lenses, CS mount (C mount adapter ring included)
- True Day/Night mode selectable with automatic ICR module
- Easy to use OSD setup menu
- Dual Video Output: Megapixel HDcctv (BNC) plus SD TV Out (RCA) for installation
- Dual Power Source 12VDC/24VAC dual voltage

Specifications

Pickup Device	1/2.5" 2 Megapixel CMOS sensor
Sensitivity	0.2 Lux/F = 1.2
S/N Ratio	38.1dB
Video Format Main Output	HDcctv / SMPTE 292M
Resolution Main Output	1920x1080@50i or 60i; 1280x720@50p or 60p
Video Mode Main Output	Field select 1080i or 720p
Main Output Connector	BNC-F
Video Format Test Output	NTSC/PAL selectable 1Vp-p
Test Output Connector	RCA-F
Electronic Shutter	1/60 (1/50)~1/8000sec.
Lens Type	RCA-F 1/60 (1/50)~1/8000sec.
Back Light Comp.	On/Off selectable
Auto Gain Control	High/Middle/Low/Off selectable
Auto White Balance	AWB / One Push WB / Manual WB / Indoor / Outdoor
Gamma Correction	PC/TV Selectable
Iris Control	Auto, -2.0EV~2.0EV
OSD Menu	Yes (controlled from rear 5-axis joystick control)
True Day/Night Control	Yes (Auto IR cut filter removal)
Mirror	H_MIR / V_MIR
Power Source	12VDC/24VAC
Power Consumption	24VAC: 6W max.; 12VDC: 6W max.
Operating Temperature	0°C~45°C / 32°F~113°F (20%~80% Humidity)
Dimensions (incl. BNC) (W x H x D)	68 x 56 x 146mm/2.7" x 2.2" x 5.7"
Weight	0.4kg/0.9lbs
Certificates	CE, FCC

Dimensions



EHA-SRX

HDcctv to HDMI Converter

EHA-CRX

HDcctv to HDMI Converter/Repeater



HDcctv

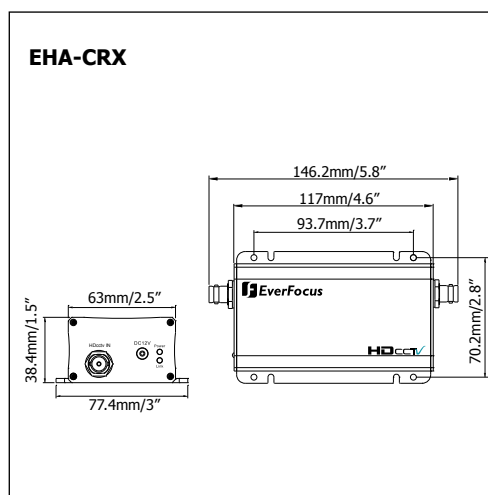
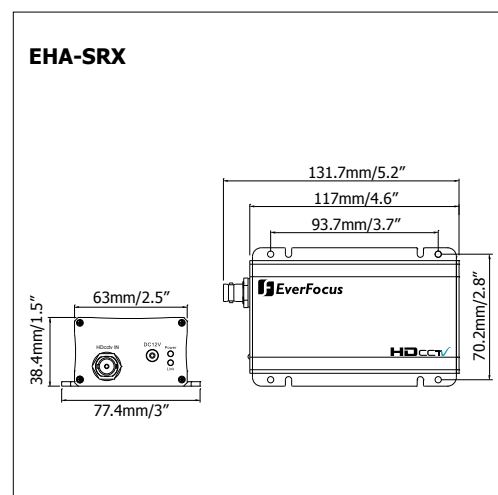
Features

- Accepts high-definition HDcctv video at 720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz formats/frame rates
- Processes HDcctv standard SMPTE 292M at up to 1.5Gbps data rate
- Provides standard HDMI output for HD TV monitor display
- Integrated cable equalizer for long distance video transmission without loss of quality
- Capable of receiving HDcctv video signal over 75Ω coaxial cable at distances of up to 500 ft. on RG59 coaxial cable (overall distance depends on actual cable type and loss)
- High quality digital video and audio transmission with near zero latency

Specifications

Model Name	EHA-SRX	EHA-CRX
Type	HDcctv in to HDMI out	HDcctv in to HDMI out / HDcctv out
Video Bandwidth	Up to 1.5Gbps	
Video Support	720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz	
Input Signal	HDcctv and SMPTE 292M	
Output Signal	HDMI	HDMI/HDcctv
Input Connector	1x BNC 75Ω inter-locked socket	
Output Connector	1x HDMI Type A [19-pin female]	1x HDMI Type A [19-pin female]; 1x BNC 75Ω inter-locked socket
Housing	Metal case	
Power Supply	12VDC (included)	
Power Consumption	2 W max.	
Relative Humidity	20%~80% Humidity	
Operation Temperature	0~50°C / 32~122°F	
Dimensions (W x H x D)	77 x 38 x 117mm/3" x 1.5" x 4.6"	
Weight	200g/0.45lbs	
Certificates	CE, FCC	

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
 * Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EHA-RPT

HDcctv Repeater



HDcctv

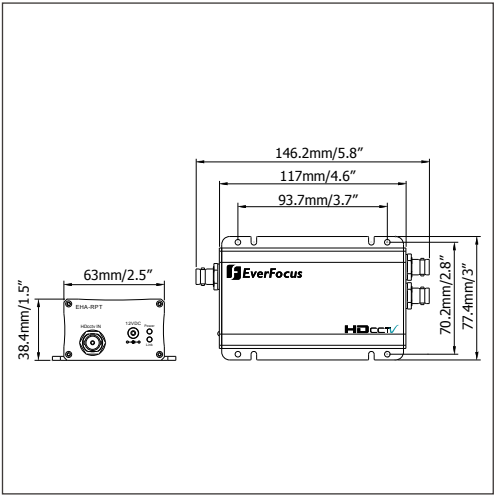
Features

- Accepts high-definition HDcctv video at 720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz formats/frame rates
- Processes HDcctv standard SMPTE 292M at up to 1.5Gbps data rate
- Integrated cable equalizer for long distance video transmission without loss of quality
- Capable of receiving HDcctv video signal over 75Ω coaxial cable at distances of up to 500 feet on RG59 coaxial cable (overall distance depends on actual cable type and loss)
- High quality digital video and audio transmission with near zero latency

Specifications

Model Name	EHA-RPT
Video Bandwidth	Up to 1.5Gbps
Video Support	720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz
Input Signal	HDcctv and SMPTE 292M
Output Signal	HDcctv and SMPTE 292M
Input Connector	1 x BNC 75Ω inter-locked socket
Output Connector	2 x BNC 75Ω inter-locked socket
Housing	Metal case
Power Supply	12VDC (included)
Power Consumption	3 W max.
Humidity	20%~80%
Operating Temperature	0°C~50°C / 32°F~104°F
Dimensions (W x H x D)	77.4 x 38.4 x 117mm / 3" x 1.5" x 4.6"
Weight	200g/0.45lbs
Certificates	CE, FCC

Dimensions



EHA-FTX/FRX

HDcctv to Fiber Converter



HDcctv

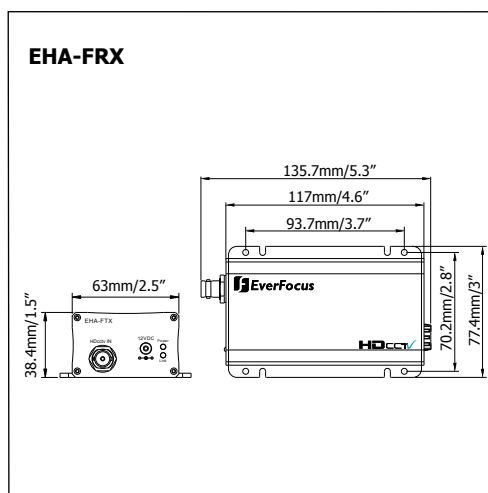
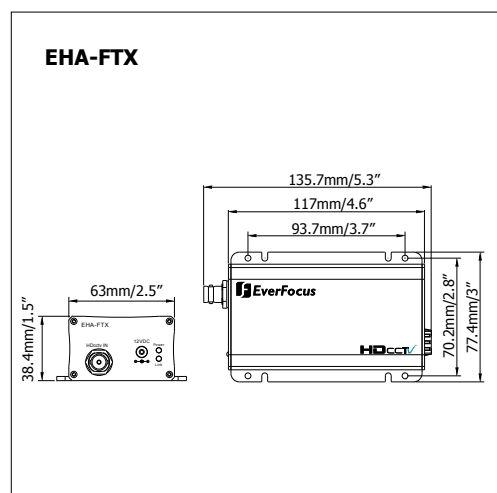
Features

- Accepts high-definition HDcctv video at 720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz formats/frame rates
- Processes HDcctv standard SMPTE 292M at up to 1.5Gbps data rate
- Integrated cable equalizer for long distance video transmission without loss of quality
- High quality digital video and audio transmission with near zero latency
- Capable of transmitting and receiving HDcctv digital video over fiber optics

Specifications

Model Name	EHA-FTX/FRX
Video Bandwidth	Up to 1.5Gbps
Video Support	720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @25/30Hz
Input Connector	FTX: 1x BNC 75Ω inter-locked socket FRX: 1 X Simplex LC SFP (Hot Pluggable)
Output Connector	FTX: 1 X Simplex LC SFP (Hot Pluggable) FRX : 1 X BNC 75Ω inter-locked socket
Housing	Metal case
Power Supply	12VDC (included)
Power Consumption	3 W max.
Humidity	20%~80%
Operating Temperature	0°C~50°C/32°F~104°F
Dimensions (W x H x D)	77.4 x 38.4 x 117mm / 3" x 1.5" x 4.6"
Weight	200g/0.45lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

PowerVideo Plus

Advanced Central Management Software



NEW

Features

Easy Setup

- Mix and match IP, Analog and Mobile devices
- Supports all Everfocus branded products
- Automatic device discovery
- Intuitive Drag & Drop interface

Powerful Viewing

- Unlimited number of matrix views up to 64 channels each
- Supports 10 pages per matrix view with automatic page flipping
- Unlimited numbers of monitors support
- Everfocus Multi Stream™ technology

Flexible Recording

- Manual, Scheduled and Event based recording
- Remote archiving of DVR/Mobile DVR
- Multiple recording folders and Round-robin over-writing schema
- 1-click snapshot / record and quick playback

Additional Features

- PTZ controls and digital zooming
- Dynamic E-Maps to clearly see where each device is installed
- GPS tracking / fencing of Mobile DVRs
- 2-way audio support
- User configurable Alarm events
- User access management
- Bandwidth monitor

Specifications

Device Compatibility	All Everfocus Products
IP Devices Supported	Unlimited
Multiple View Matrix	up to 8 x 8
Single View / Playback Window	Unlimited
Multiple Monitors Support	Unlimited
Audio	Alarm sounds and 2-way support

System Requirements

Minimum

CPU	Intel Core 2 Duo
RAM	2 GB
Display	Intel onboard graphics
Ethernet	10/100 Mbit
Hard Disk	50 MB program install + video storage
Operating System	Windows XP

Recommended

CPU	Intel I3 or better
RAM	4 GB+
Display	AMD / Nvidia DirectX 10 compliant graphics card
Ethernet	Gigabit
Hard Disk	50 MB program install + video storage
Operating system	Windows 7



Digital Video Recorders

PARAGON264 x4 32CH

32 Channels D1 Recording and Playback,
Full HD 1080P Output DVR

NEW



Features

- 2CIF real-time recording rate for all cameras
- HDMI video output (1080p) plus VGA 1280x1024
- Simultaneous main streaming (400 PAL/480 NTSC (4CIF)) for remote viewing
- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Normal and event recording frame rate can be set independently for each camera
- Recording resolution can be changed at different times of the day via schedule
- Supports eSATA
- Gigabit Ethernet interface for remote network viewing and control
- Audio recording capabilities on 16 channels
- Supports up to 4 fixed internal HDD or 2 removable HDD
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports mobile monitoring of live video on PDA and Smart Phone browsers, other browsers, and via MobileFocus app
- Multiple Control Inputs: mouse/front panel/IR remote controller (included)/EKB500 keyboard/web interface
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Directly catch the movement in the specified area
- Snapshot search: Show snapshots from recorded video at a specified interval to quickly locate significant events
- Remote configuration support from the built-in web interface
- On-screen PTZ control via mouse, front panel or web interface
- Built-in DVD burner
- 2 USB 2.0 ports (located on front panel) for video archive and mouse usage
- Support 4 matrix video outputs
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- USB Mouse, rack mount ears and IR remote control included

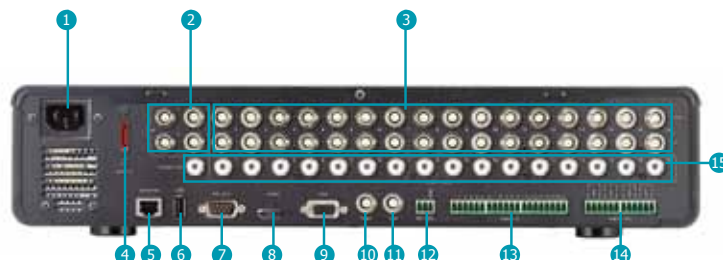
Specifications

Model Name	PARAGON264 x4 32CH
Number of Channels	32
Compression Format	H.264
Recording Rate/Resolution (Max)	480 NTSC / 400 PAL (4CIF) 960 NTSC / 800 PAL (2CIF) 960 NTSC / 800 PAL (CIF)
Playback Rate/Resolution	480 NTSC / 400 PAL (4CIF) --16CH, 4CIF 15 NTSC/12.5 PAL per Channel 480 NTSC / 400 PAL (2CIF) ---16CH, 2CIF real-time 480 NTSC / 400 PAL (CIF)---16CH, CIF real-time
Mobile View Support	Live view on PDA or smart phone browsers, plus various web browsers MobileFocus apps for iPhone, Android and others
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Inputs	32 BNC (NTSC/PAL automatic selection)
Main Monitor Outputs	HDMI/VGA (1080p)
Call Monitor Output	BNC (NTSC/PAL; follows input type)
Video Matrix Monitor Output	BNC x 4
Audio Inputs	16 inputs: 16 on RCA socket (supplied); Line level
Audio Outputs	2 x RCA socket; Line level
Recording Modes	Manual, Schedule and Event; or, choose Number of Days
Playback Search	Date/Time, Event, Motion in Recorded Video, snapshot by Interval
Alarm Inputs	16 inputs
Alarm Out	4 form "C" (SPDT) relays; 30VDC@1A rating
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Internal HDD	4 Internal SATA HDD
External HDD	1 eSATA
Built-in DVD Burner	Slim Type DVD Burner
Hot-swappable HDD	2 (optional)
User Interface	GUI(Graphical User Interface)
OS	Embedded Linux
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / DDNS
Control PTZ via OSD	Yes (via both local and remote interfaces)
USB	2 USB 2.0 port (on Front Panel)
Schedule Setting	Supports Express and Advanced Schedule Setting
User Access	3 Levels of User Access Defined
RS-232	9-pin D-Sub socket (male)
RS-485	RJ45x2 for DVR control input and PTZ control output; data loops through
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Power Source	100~240VAC, 110W max
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)
Dimensions (L x W x H)	430 x 423 x 72 mm/16.93" x 16.65" x 3.13"
Certificates	CE, FCC, UL

Major Operating Controls

- | | |
|-------------------------------|---------------------|
| 1 Main Power Plug | 8 HDMI Output |
| 2 Matrix Output x4 (Optional) | 9 VGA |
| 3 Video Input | 10 Main Monitor Out |
| 4 eSATA | 11 Call Monitor Out |
| 5 Network Connector | 12 RS-485 Connector |
| 6 USB Slot | 13 Alarm Out |
| 7 RS232 Connector | 14 Alarm In |
| | 15 Audio In/Out |

Rear View



- Front & back panel controls vary depending on models

Advantages

Triplex function for D1

Best performance triplex operation, in D1 resolution you can still have real-time recording for 16 cameras at 30fps, and playback all 16 cameras with D1 30fps. It also supports dual streaming for CIF 30fps compression for 16 cameras to do remote control. It can achieve best recording quality locally and get smooth image in low bandwidth environment.

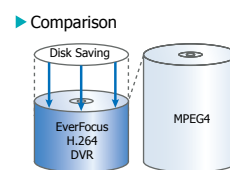


Full HD Video Output

Full HD 1080p brings superior picture performance on a massive scale, it can provide 1:1 output for mega pixel camera. Digital output renders stunning images from any resolution which enhances motion to deliver a smoother and clearer looking.

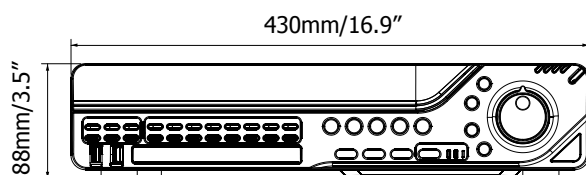
H.264 Compression Technology

H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264 Paragon DVR delivers the crystal clear images as long with the low bandwidth consumption.

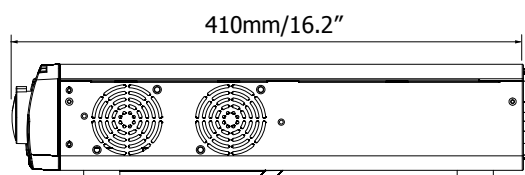


Dimensions

Front View



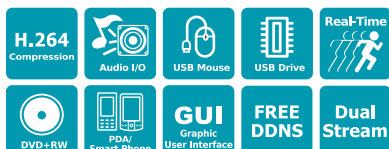
Side View



PARAGON264 x1 DVR

16 Channels Network H.264 with Graphical User Interface

NEW



Features

- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Real-time recording rate and playback rate for all cameras
- Normal and event recording frame rate can be set independently for each camera
- Multiple Main Monitors: VGA (800x600, 1280X1024)/ BNC Main monitor outputs
- Call monitor: additional composite BNC output with multiplex and/or sequenced views
- Simultaneous recording at D1 or 2CIF with real-time streaming at CIF for remote web viewing to conserve bandwidth
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports eSATA
- Supports 3GPP for mobile monitoring
- Multiple Control Inputs: mouse / front panel / remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Directly catch the movement in the specified area
- Snapshot search: Show snapshots of the specified interval, help quickly find the interested scene
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Support for up to 2 Hot Swappable HDD
- Built-in DVD burner (Optional)
- 2 USB 2.0 ports for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- 19" Rack mountable
- USB Mouse and IR remote control included

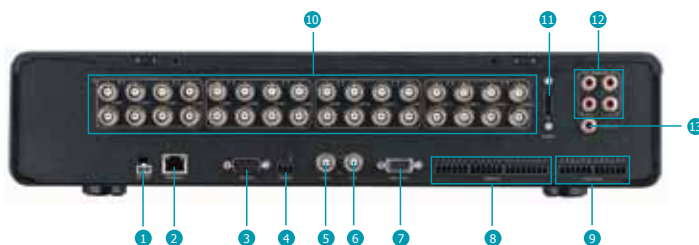
Specifications

Model Name	PARAGON264 x1
Channel Number	16
Compression Format	H.264
Recording Rate/Resolution	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 480 NTSC / 400 PAL (CIF: 352x240)
Playback Rate/Resolution	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 480 NTSC / 400 PAL (CIF: 352x240)
Mobile Device	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Input	16 BNC
Video Output	Main: VGA&BNC Call: BNC(up to 16-up) Looping: 16 BNC
Recording Mode	Manual, Schedule and Event
Playback Search	Time search, Event search, Smart search, Snapshot search
Audio Input	4
Audio Output	1
Alarm In	16
Alarm Out	4
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Hot-Swappable HDD	2
eSATA	1 eSATA
Built-in DVD Burner	Yes
User Interface	GUI(Graphical User Interface)
OS	Embedded Linux
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / Everfocus DDNS / RTSP / RTP / HTTP / SMTP / POP3 / SSL
Control PTZ via OSD	Yes
Dual Streaming	Yes
USB	2 USB 2.0 ports
Schedule Setting	Express and Advanced Schedule Setting Tools
User Access	3 Levels of User Access Supported
RS-232	Yes
RS-485	1 RS485 (3 Terminal connector)
Power Source	DC12V
Support PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)
Dimensions(L x W x H)	410 x 430 x 88 mm/16.2" x 16.9" x 3.5"
Certificates	CE, FCC, UL

Major Operating Controls

- | | |
|--------------------|--------------------------------------|
| 1 Power Plug | 8 Alarm In |
| 2 Network Port | 9 Alarm Out |
| 3 RS-232 Connector | 10 Video IN and Video OUT connectors |
| 4 RS-485 Connector | 11 eSATA |
| 5 Main Monitor Out | 12 Audio IN |
| 6 Call Monitor Out | 13 Audio OUT |
| 7 Main VGA | |

Rear View



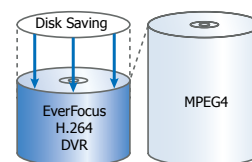
- Front & back panel controls vary depending on models

Advantages

H.264 Compression Technology

H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264, PARAGON264 x1 DVR delivers the crystal clear images as long with low bandwidth consumption.

► Comparison



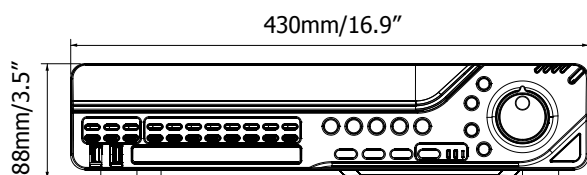
GUI

With Graphical User Interface (GUI), users can command specific actions on the PARAGON264 x1 DVR through graphical icons and visual indicators. Simply click the screen to do live or playback on the selected channel.

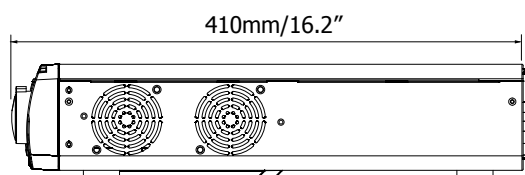


Dimensions

Front View



Side View



PARAGON264 Series

16 Channels, H.264, HDMI Output with 1080i



Features

- H.264 compression format
- D1 real-time recording rate and playback rate for all cameras (PARAGON264 x4)
- HDMI video output (1080i)
- Multiple Main Monitors: Separately configured HDMI 1080i and VGA/BNC Main monitor outputs
- Call monitor: additional composite BNC output with multiplex and/or sequenced views
- Simultaneous high bandwidth recording (400 PAL/480 NTSC (D1)) with reduced bandwidth remote view streaming (up to 400 PAL/480 NTSC (CIF)) (PARAGON264 x4 only)
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports eSATA external HDD
- Supports video streaming for mobile monitoring
- Multiple Control Inputs: mouse / front panel / remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly(to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Audio recording capabilities
- Support for up to 2 Hot Swappable HDD or 4 fixed internal HDD
- Built-in DVD burner (Optional)
- 3 USB 2.0 ports (2 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- 19" Rack mountable – rack ears included

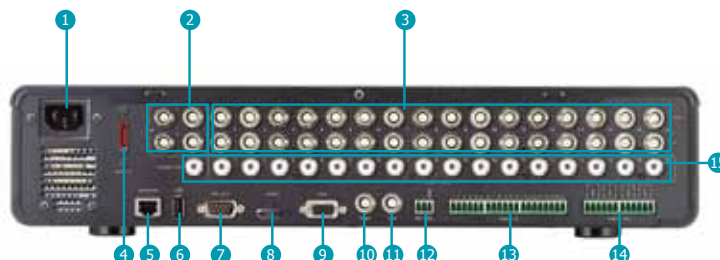
Specifications

Model Name	PARAGON264 x4	PARAGON264 x2
Channel Number	16 CH	
Compression Format	H.264	
HDMI Output	Yes	
Recording Rate/Resolution	480 NTSC / 400 PAL (D1: 704x480)	240 NTSC / 200 PAL (D1: 704x480) 480 NTSC / 400 PAL (Half D1: 704x240)
Playback Rate/Resolution	480 NTSC / 400 PAL (D1: 704x480)	240 NTSC / 200 PAL (D1: 704x480) 480 NTSC / 400 PAL (Half D1: 704x240)
Mobile Device	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers	
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Video Input	16 BNC	16 BNC
Video Output	Main: BNC&VGA&HDMI; Call: BNC(up to 16-up); Looping: 16 BNC	
Recording Mode	Manual, Schedule and Event	
Playback Search	Date/Time, Event, Motion in Recorded Video	
Audio Input	16	
Audio Output	1	
Alarm In	16	
Alarm Out	4	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
Internal HDD	4	
Hot-Swappable HDD	2(optional)	
eSATA	1 eSATA (Hot Swappable model doesn't support eSATA)	
Built-in DVD Burner	Slim Type DVD Burner(Optional)	
User Interface	GUI(Graphical User Interface)	
OS	Embedded Linux	
Network/Protocol	100/1000Mbps Ethernet; TCP-IP / DHCP/ PPPoE / Everfocus DDNS / RTSP / RTP / HTTP / SMTP / POP3 / SSL	
Control PTZ via OSD	Yes	
Dual Streaming	Yes	
USB	3 USB 2.0 ports (2 on Front Panel, 1 on Back Panel)	
Schedule Setting	Express and Advanced Schedule Setting Tools	
User Access	3 Levels of User Access Supported	
RS-232	9-pin D-Sub socket (male)	
RS-485	1 RS485 (3 Terminal connector)	
Power Source	100VAC~240VAC	
Support PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)	
Dimensions(L x W x H)	410 x 430 x 88 mm/16.2" x 16.9" x 3.5"	
Certificates	CE, FCC, UL	

Major Operating Controls

- | | |
|-------------------------------|---------------------|
| 1 Main Power Plug | 8 HDMI Output |
| 2 Matrix Output x4 (Optional) | 9 VGA |
| 3 Video Input and Looping | 10 Main Monitor Out |
| 4 eSATA | 11 Call Monitor Out |
| 5 Network Connector | 12 RS-485 Connector |
| 6 USB Slot | 13 Alarm Out |
| 7 RS232 Connector | 14 Alarm In |
| | 15 Audio In/Out |

Rear View



- Front & back panel controls vary depending on models

Advantages

Triplex Function for D1 Real-time

Best performance triplex operation, in D1 resolution you can still have real-time recording for 16 cameras at 30fps, and playback all 16 cameras with D1 30fps. It also supports dual streaming for CIF 30fps compression for 16 cameras to do remote control. It can achieve best recording quality locally and get smooth image in low bandwidth environment.

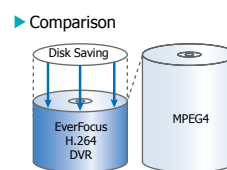


Full HD Video Output

Full HD 1080p brings superior picture performance on a massive scale, it can provide 1:1 output for megapixel camera. Digital output renders stunning images from any resolution which enhances motion to deliver a smoother and clearer looking.

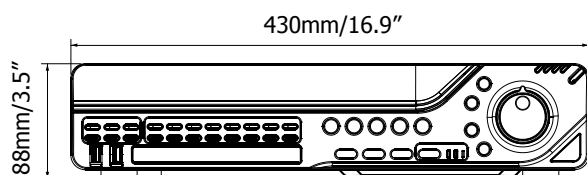
H.264 Compression Technology

H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264 Paragon DVR delivers the crystal clear images as long with the low bandwidth consumption.

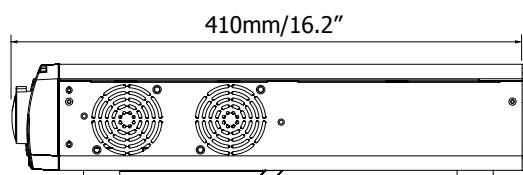


Dimensions

Front View



Side View



ENDEAVOR264 x4

16CH D1 Real-time Recording and Playback,
Full HD 1080P Output DVR

NEW



Features

- Compatible with FREE Everfocus Central Management Software
- D1 real-time recording rate and playback rate for all cameras
- HDMI & VGA output: 1080p
- Simultaneous main streaming (400 PAL / 480 NTSC (D1)) and second streaming (400 PAL / 480 NTSC (CIF))
- H.264 Compression format
- Normal and event recording frame rate can be set independently for each camera
- Recording resolution can be changed at different times of the day via schedule
- Supports eSATA (EDA450; optional)
- Gigabit Ethernet interface for remote network viewing and control
- Audio recording capabilities on all channels
- Supports up to 4 fixed internal HDD
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI
- Supports mobile monitoring of live video on PDA and Smart Phone browsers, other browsers, and via MobileFocus app
- Multiple Control Inputs: mouse/front panel/IR remote controller (included)/EKB500 keyboard/web interface
- Built-in record time calculator
- Express Setup/Archive/Playback/Search
- Smart Search: Identify movement from recorded video
- Snapshot search: Show snapshots from recorded video at a specified interval to quickly locate significant events
- Remote configuration support from the built-in web interface
- On-screen PTZ control via mouse, front panel or web interface
- Built-in DVD burner (Optional)
- 2 USB 2.0 ports (located on front panel)
- Multi-language support
- Watermark capabilities
- USB Mouse, rack mount ears and IR remote control included

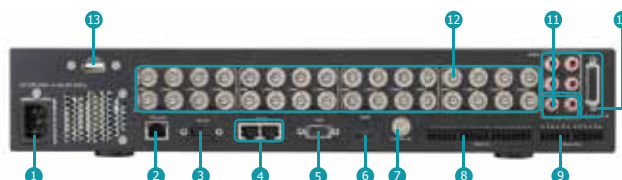
Specifications

Model Name	ENDEAVOR264 x4
Channel Number	16
Compression Format	H.264
Recording Rate/Resolution	480 NTSC / 400 PAL (D1) 480 NTSC / 400 PAL (Half D1) 480 NTSC / 400 PAL (CIF)
Playback Rate/Resolution	480 NTSC / 400 PAL (D1) 480 NTSC / 400 PAL (Half D1) 480 NTSC / 400 PAL (CIF)
Dual Streaming	480 NTSC / 400 PAL (CIF)
Mobile View Support	Live view on PDA or smart phone browsers, plus various web browsers Mobile Focus apps for iPhone, Android and others
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Inputs	16 BNC (NTSC/PAL automatic selection)
Looping Video Outputs	16 BNC, auto terminating
Main Monitor Outputs	HDMI (1080p), VGA (1080p)
Call Monitor Output	BNC (NTSC/PAL; follows input type)
Audio Inputs	16 total: 4xRCA; 12 on DIN connector (supplied); Line level
Audio Outputs	2xRCA; Line level
Recording Modes	Manual, Schedule and Event; or, choose Number of Days
Playback Search	Date/Time, Event, Motion in Recorded Video, snapshot by Interval
Alarm Inputs	16 inputs
Alarm Out	4 form "C" (SPDT) relays; 30VDC@1A rating
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Internal HDD	4 Internal SATA HDD
External HDD	1 eSATA (Model EDA450; optional)
Built-in DVD Burner	DVD Burner (Optional)
User Interface	GUI(Graphical User Interface)
OS	Embedded Linux
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / DDNS
Control PTZ via OSD	Yes (via both local and remote interfaces)
USB	2 USB 2.0 port (on Front Panel)
Schedule Setting	Supports Express and Advanced Schedule Setting
User Access	3Levels of User Access Defined
RS-232	9-pin D-Sub socket (male)
RS-485	RJ45x2 for DVR control input and PTZ control output; data loops through
Power Source	120~240VAC / 110W max
Dimensions (L x W x H)	430 x 423 x 72mm / 16.93" x 16.65" x 3.13"
Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Cartificates	CE, FCC, UL

Major Operating Controls

- | | |
|---------------------|----------------------------|
| 1 Power Input | 8 Alarm In |
| 2 Network Connector | 9 Alarm Out |
| 3 RS232 Connector | 10 Audio In |
| 4 RS485 Connectors | 11 Audio Out |
| 5 VGA Main Monitor | 12 Video Input and Looping |
| 6 HDMI Main Monitor | 13 eSATA |
| 7 Call Monitor | |

Rear View



- Front & back panel controls vary depending on models

Advantages

Real-time High-resolution Recording

Applying high speed data processing technology across all channels with H.264 full-frame compression, the ENDEAVOR264 x4 achieves the ability to record and play full D1 resolution real time video on all channels on all models. Frame rate can be independently set across the channels to fit the different recording speed requirements in different scenes. The ENDEAVOR264 x4 series also provides simultaneous full speed playback of all channels, even while recording.



H.264 Recording

Quick & Easy Search Modes

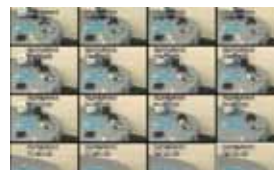
By selecting among thumbnail images extracted from the recorded video at a user defined interval, at a specific date and time, in response to various types of events, or based on a 'smart search' review of recorded video to identify motion in area(s) of interest, users can quickly isolate and play back relevant video for efficient review of significant activities.



Smart Search

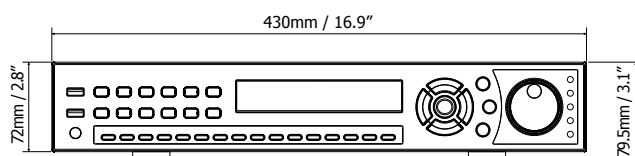
Snapshot Search

Choose a starting date/time, an interval and direction and scroll forward and back through a series of snapshots extracted from recorded video to quickly isolate and play back relevant video for efficient review of significant activities. Just click on the snapshot of interest and play from that point.

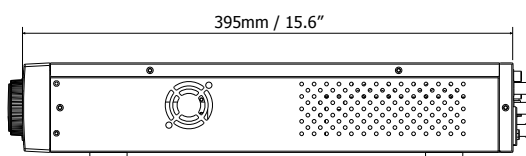


Dimensions

Front View



Side View



ENDEAVOR264 L4

16 Channels D1 Real-time Recording,
8 Channels D1 Real-time Playback,
Full HD 1080P Output



Features

- Compatible with FREE Everfocus Central Management Software
- D1 real-time recording rate for 16 cameras
- D1 real-time playback rate for 8 cameras
- HDMI video output (1080p)
- Simultaneous main streaming (400 PAL/480 NTSC (D1)) and second streaming
- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Normal and event recording frame rate can be set independently for each camera
- Recording at CIF for remote web viewing to conserve bandwidth
- Matrix output x 4
- Support eSATA (Future use)
- Gigabit Ethernet interface for remote network viewing and controlling
- Audio recording capabilities
- Support up to 4 fixed internal HDD
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports mobile monitoring of live video from PDA and Smart Phones
- Multiple Control Inputs: mouse / front panel / remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Directly catch the movement in the specified area
- Snapshot search: Show snapshots of the specified interval, help quickly find the interested scene
- Remote configuration support from the built-in web interface
- On-screen PTZ control via mouse or front panel
- Built-in DVD burner (Optional)
- 2 USB 2.0 ports (1 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- USB Mouse and IR remote control included

Specifications

Channel Number	16
Compression Format	H.264
HDMI Output	Yes
Recording Rate/Resolution	480 NTSC / 400 PAL (D1: 704x480) 480 NTSC / 400 PAL (Half D1: 704x240) 480 NTSC / 400 PAL (CIF: 352x240)
Playback Rate/Resolution	D1 8CH 240 NTSC / 200 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 240 NTSC / 200 PAL (CIF: 352x240)
Mobile Device	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing
Video Input	16 BNC
Video Output	Main: HDMI (1080p), VGA (1280x1024) Call: BNC(up to 16-up) Looping: 16 BNC Matrix x4"
Recording Mode	Manual, Schedule and Event; or, choose Number of Days
Playback Search	Date/Time, Event, Motion in Recorded Video, snapshot by Interval
Audio Input	16
Audio Output	2
Alarm In	16
Alarm Out	4
Video Pause	Yes
Video Loss Detection	Yes
Motion Detection	Yes
Event Log	Yes
Watch Dog Timer	Yes
Internal HDD	4
eSATA	Yes
Built-in DVD Burner	Yes(Optional)
User Interface	GUI(Graphical User Interface)
OS	Embedded Linux
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP / PPPoE / DDNS
Control PTZ via OSD	Yes (via both local and remote interfaces)
Dual Streaming	480 NTSC / 400 PAL (CIF)
USB	2 USB 2.0 port (on Front Panel)
Schedule Setting	Express and Advanced Schedule Setting Tools
User Access	3 Levels of User Access Supported
RS-232	Yes
RS-485	RJ45x2
Power Source	100~240VAC, 110W max
Support PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent
Dimensions(L x W x H)	430 x 423 x 72 mm/16.93" x 16.65" x 3.13"
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)
Certificates	CE, FCC, UL

Major Operating Controls

- | | |
|---------------------|----------------------------|
| 1 Main Power Plug | 8 Alarm In |
| 2 Network Connector | 9 Alarm Out |
| 3 RS232 Connector | 10 eSATA |
| 4 RS485 Connector | 11 Audio In |
| 5 Main VGA | 12 Audio Out |
| 6 HDMI Output | 13 Video Input and Looping |
| 7 Call Monitor Out | 14 Matrix |

Rear View



- Front & back panel controls vary depending on models

Advantages

Real-time High-resolution Recording

Applying high speed data processing technology across all channels with H.264 full-frame compression, the ENDEAVOR L4 achieves the ability to record and play real-time video on all channels on all models. Frame rate can be independently set over the channels to fit the different recording speed requests in different scenes. The ENDEAVOR264 L4 series also provides the simultaneous full speed playback over all channels while recording.



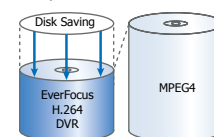
Video Streaming to Mobile Devices

The ENDEAVOR264 series supports streaming for and mobile monitoring, allowing you the capability to check your home or business on-the-go directly from a variety of RTSP capable mobile devices – FREE! No additional servers or purchased programs required.

H.264 Compression Technology

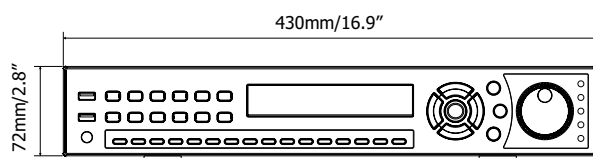
H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264 Paragon DVR delivers the crystal clear images as long with the low bandwidth consumption.

Comparison

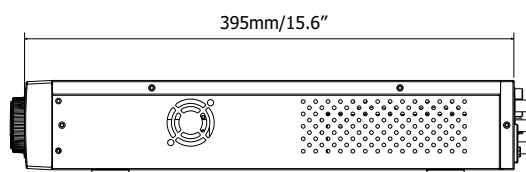


Dimensions

Front View

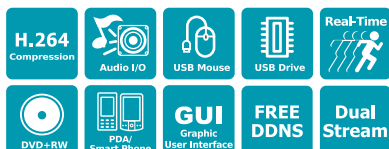


Side View



ECOR264 x1 Series

4, 9 or 16 Channels Network H.264 with Graphical User Interface



Features

- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Real-time recording rate and playback rate for all cameras
- Normal and event recording frame rate can be set independently for each camera
- Multiple Main Monitors: VGA (800x600, 1280X1024)/ BNC Main monitor outputs
- Call monitor: additional composite BNC output with multiplex and/or sequenced views
- Simultaneous recording at D1 or 2CIF with real-time streaming at CIF for remote web viewing to conserve bandwidth
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports eSATA Supports 3GPP for mobile monitoring
- Multiple Control Inputs: mouse / front panel / remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Directly catch the movement in the specified area
- Snapshot search: Show snapshots of the specified interval, help quickly find the interested scene
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Support for up to 1 Hot Swappable HDD or 2 fixed internal HDD
- Built-in DVD burner (Optional)
- 2 USB 2.0 ports (1 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- 19" Rack mountable
- USB Mouse and IR remote control included

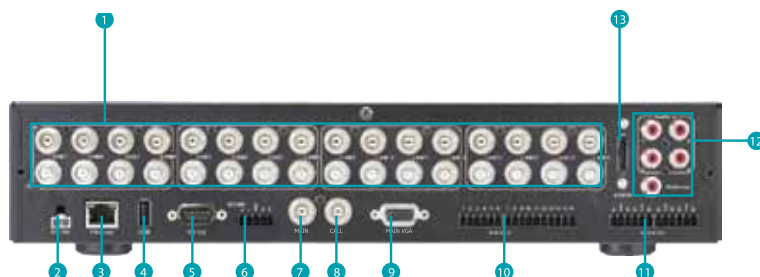
Specifications

Model Name	ECOR264 x1		
Channel Number	16	9	4
Compression Format	H.264		
Recording Rate/ Resolution	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 480 NTSC / 400 PAL (CIF: 352x240)	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 270 NTSC / 225 PAL (CIF: 352x240)	120 NTSC / 100 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 120 NTSC / 100 PAL (CIF: 352x240)
Playback Rate/ Resolution	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 480 NTSC / 400 PAL (CIF: 352x240)	120 NTSC / 100 PAL (D1: 704x480) 240 NTSC / 200 PAL (Half D1: 704x240) 270 NTSC / 225 PAL (CIF: 352x240)	120 NTSC / 100 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 120 NTSC / 100 PAL (CIF: 352x240)
Mobile Device	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers		
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing		
Video Input	16 BNC	9 BNC	4 BNC
Video Output	Main: VGA&BNC Call: BNC(up to 16-up) Looping: 16 BNC	Main: VGA&BNC Call: BNC(up to 9-up) Looping: 9 BNC	Main: VGA&BNC Call: BNC(up to 4-up) Looping: 4 BNC
Recording Mode	Manual, Schedule and Event		
Playback Search	Time search, Event search, Smart search, Snapshot search		
Audio Input	4		
Audio Output	1		
Alarm In	16	9	4
Alarm Out	4	2	1
Video Pause	Yes		
Video Loss Detection	Yes		
Motion Detection	Yes		
Event Log	Yes		
Watch Dog Timer	Yes		
Internal HDD	2		
Hot-Swappable HDD	1(optional)		
eSATA	1 eSATA		
Built-in DVD Burner	Yes(Optional)		
User Interface	GUI(Graphical User Interface)		
OS	Embedded Linux		
Network/Protocol	Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / Everfocus DDNS / RTSP / RTP / HTTP / SMTP / POP3 / SSL		
Control PTZ via OSD	Yes		
Dual Streaming	Yes		
USB	2 USB 2.0 ports (1 on Front Panel, 1 on Back Panel)		
Schedule Setting	Express and Advanced Schedule Setting Tools		
User Access	3 Levels of User Access Supported		
RS-232	Yes		
RS-485	1 RS485 (3 Terminal connector)		
Power Source	DC12V (from included 110/220VAC power supply)		
Support PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent		
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)		
Dimensions(L x W x H)	353.0 x 354.8 x 70.60 mm/13.89" x 13.96" x 3.055"		
Certificates	CE, FCC, UL		

Major Operating Controls

- | | |
|--------------------|-----------------|
| 1 Video In/Out | 8 Call Monitor |
| 2 Main Power Plug | 9 VGA Connector |
| 3 Ethernet | 10 Alarm In |
| 4 USB | 11 Alarm Out |
| 5 RS-232 Connector | 12 Audio In/Out |
| 6 RS-485 Connector | 13 eSATA |
| 7 Main Monitor Out | |

Rear View



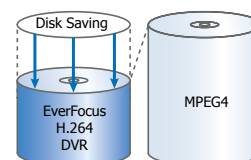
- Front & back panel controls vary depending on models

Advantages

H.264 Compression Technology

H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264, ECOR series DVR delivers the crystal clear images as long with low bandwidth consumption.

► Comparison



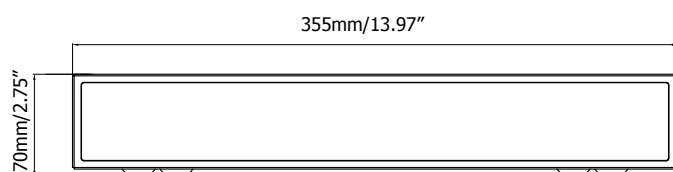
GUI

With Graphical User Interface (GUI), users can command specific actions on the ECOR Series DVR through graphical icons and visual indicators. Simply click the screen to do live or playback on the selected channel.

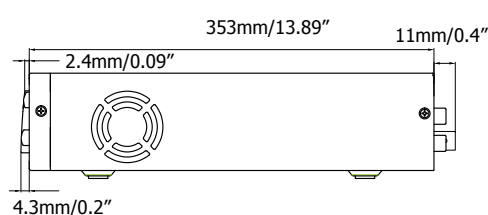


Dimensions

Front View



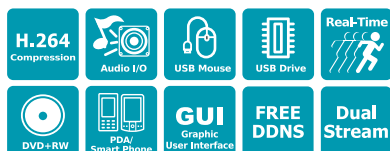
Side View



ECOR264 D3 Series

Cost Effective H.264 Performance plus a Powerful Feature Set

NEW



Features

- Compatible with FREE EverFocus Central Management Software
- H.264 compression format for efficient disk utilization and network bandwidth conservation
- Recording resolution and rate can be set independently for each camera, and changed via user defined schedule
- Streaming at CIF for remote web viewing to conserve bandwidth
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly color GUI with graphical icons and visual indicators
- Supports mobile monitoring of live video from PDA and Smart Phones
- Multiple Control Inputs: mouse / front panel / IR remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation and setup
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Review recorded video to identify motion in area(s) of interest
- Snapshot search: Choose an interval and direction, view a series of snapshots to quickly isolate incidents
- Remote viewing of live and recorded video, plus configuration support from the built-in web interface
- On-screen PTZ control via mouse or front panel
- Built-in DVD burner ("D" Models)*
- 2 USB 2.0 ports (1 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- USB Mouse and IR remote control included

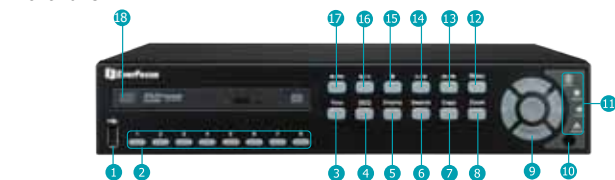
*Feature may not be available on all models

Specifications

Model Name	ECOR264 8D3	ECOR264 4D3
Channel Number	8	4
Compression Format	H.264	
Recording Rate/Resolution	60 NTSC / 50 PAL (D1) 120 NTSC / 100 PAL (Half D1) 240 NTSC / 200 PAL (CIF)	60 NTSC / 50 PAL (D1) 120 NTSC / 100 PAL (Half D1) 120* NTSC / 100 PAL (CIF)
Playback Rate/Resolution	60 NTSC / 50 PAL (D1) 120 NTSC / 100 PAL (Half D1) 240 NTSC / 200 PAL (CIF)	60 NTSC / 50 PAL (D1) 120 NTSC / 100 PAL (Half D1) 120 NTSC / 100 PAL (CIF)
Dual Streaming	240 NTSC / 200 PAL(QCIF)	120 NTSC / 100 PAL(QCIF)
Mobile View	Live view on PDA or Smart Phone plus various web browsers	
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Video Inputs	8 BNC	4 BNC
Main Monitor Output	VGA or BNC output	
Call Monitor	None	
Audio Input/Output (RCA)	1 Input/1 Output	
Recording Modes	Manual, Schedule and Event, or Set Number of Days	
Playback Search	Date/Time, Event, Motion in Recorded Video, Snapshot by Interval	
Alarm Inputs	8	4
Alarm Outputs	1 Alarm Output (form "C" – rated: 12VDC @ 1A)	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
Internal HDD	1 Internal SATA HDD	
Built-in DVD Burner	Slim Type DVD Burner(Optional –"D" Model)	
User Interface	GUI(Color Graphical User Interface)	
OS	Embedded Linux	
Network/Protocol	10/100Mbps Ethernet; TCP-IP / DHCP/ PPPoE / DDNS	
Control PTZ via OSD	Yes	
USB	2 USB 2.0 ports (1 on Front Panel, 1 on Back Panel)	
Schedule Setting	Express and Advanced Schedule Setting Tools	
User Access	3 Levels of User Access Supported	
RS-232	Yes (future use)	
RS-485	1 RS485 (3 Terminal connector)	
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Power Source	DC12V (from included 110/240VAC power supply)	
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)	
Certificates	CE, FCC	

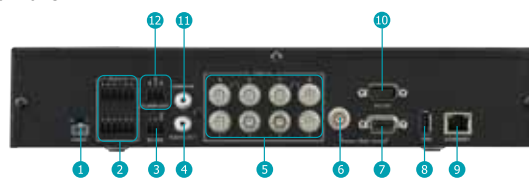
Major Operating Controls

Front Panel



- | | | | |
|---------------------|----------------------------|-------------------|-------------------------|
| 1 USB Port | 6 Search | 11 System LED | 16 Reverse Play / Pause |
| 2 Channel Key (1~8) | 7 Copy | 12 Menu | 17 Prev Step / FB |
| 3 View | 8 Zoom | 13 FF / Next Step | 18 DVD Burner |
| 4 Sequence | 9 Menu Navigation Keys | 14 Play / Pause | |
| 5 Display | 10 Remote Control Receiver | 15 Stop | |

Rear Panel



- | | |
|--------------------|---------------------|
| 1 Main Power Plug | 7 VGA |
| 2 Alarm In | 8 USB Port |
| 3 RS485 Connector | 9 Network Connector |
| 4 Audio Out | 10 RS232 Connector |
| 5 Video In | 11 Audio In |
| 6 Main Monitor Out | 12 Alarm Out |

Advantages

Real-time High-resolution Recording

Applying high speed data processing technology across all channels with H.264 full-frame compression, the ECOR264 D3 Series can record and play real-time video on all 4/8 channels. Frame rate and resolution can be set independently across the channels according to a user defined schedule to meet specific recording requirements in different applications. The pentaplex ECOR264 D3 Series also provides simultaneous full speed playback on all channels while recording.



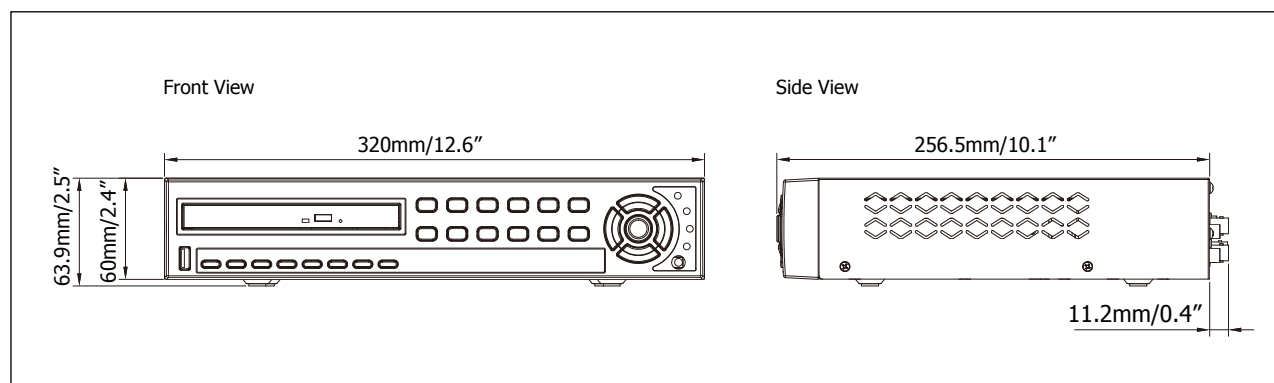
Video Streaming to Mobile Devices

The ECOR264 D3 Series supports real-time streaming for MAC Safari, FireFox, Opera on PCs, plus mobile monitoring, allowing you the capability to check your home or business on-the-go directly from a variety of web capable mobile devices – FREE! No additional servers or purchased programs required.

H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient in storing video compared with MPEG-4. Another benefit from H.264 compression is lower LAN/WAN bandwidth utilization during remote viewing of high resolution images.

Dimensions



ECOR264 D2 Series

4 or 8 Channels Network H.264 with Graphical User Interface



Features

- Compatible with FREE EverFocus Central Management Software
- H.264 Compression format for efficient disk utilization and network bandwidth conservation
- Recording resolution and rate can be set independently for each camera, and changed via user defined schedule
- Streaming at CIF for remote web viewing to conserve bandwidth
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- Video Looping
- User friendly color GUI with graphical icons and visual indicators
- Supports mobile monitoring of live video from PDA and Smart Phones
- Multiple Control Inputs: mouse / front panel / IR remote controller / EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation and setup
- Express Archive: Archive video instantly (to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Smart Search: Review recorded video to identify motion in area(s) of interest
- Snapshot search: choose an interval and direction, view a series of snapshots to quickly isolate incidents
- Remote viewing of live and recorded video, plus configuration support from the built-in web interface
- On-screen PTZ control via mouse or front panel
- Built-in DVD burner (Optional)
- 2 USB 2.0 ports (1 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- USB Mouse and IR remote control included

Specifications

Model Name	ECOR264 8D2	ECOR264 4D2
Channel Number	8	4
Compression Format	H.264	
Recording Rate/Resolution	60 NTSC / 50 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 240 NTSC / 200 PAL (CIF: 352x240)	60 NTSC / 50 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 120 NTSC / 100 PAL (CIF: 352x240)
Playback Rate/Resolution	60 NTSC / 50 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 240 NTSC / 200 PAL (CIF: 352x240)	60 NTSC / 50 PAL (D1: 704x480) 120 NTSC / 100 PAL (Half D1: 704x240) 120 NTSC / 100 PAL (CIF: 352x240)
Mobile Device	Live view on PDA or Smart Phones (MobileFocus FREE app for iPhone® and Android™) plus various web browsers	
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Video Input	8 BNC	4 BNC
Video Output	Main: VGA or BNC(up to 9-up)	Main: VGA or BNC(up to 4-up)
Looping	Looping 8 BNC	Looping 4 BNC
Recording Mode	Manual, Schedule and Event	
Playback Search	Date/Time, Event, Motion in Recorded Video, Snapshot by Interval	
Audio Input	1	
Audio Output	1	
Alarm In	8	4
Alarm Out	1	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
Internal HDD	1	
Built-in DVD Burner	Slim Type DVD Burner(Optional)	
User Interface	GUI(Graphical User Interface)	
OS	Embedded Linux	
Network/Protocol	10/100Mbps Ethernet; TCP-IP / DHCP/ PPPoE / Everfocus DDNS/RTSP/RTP/ HTTP / SMTP / POP3 / SSL	
Control PTZ via OSD	Yes	
Dual Streaming	Yes	No
USB	2 USB 2.0 ports (1 on Front Panel, 1 on Back Panel)	
Schedule Setting	Express and Advanced Schedule Setting Tools	
User Access	3 Levels of User Access Supported	
RS-232	Yes	
RS-485	1 RS485 (3 Terminal connector)	
Power Source	DC12V (from included 110/220VAC power supply)	
Support PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Operating Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)	
Dimensions(L x W x H)	320 x 208.9 x 54.3mm/12.6" x 8.2" x 2.1"	
Certificates	CE, FCC, UL	

Major Operating Controls

- 1

Main Power Plug
- 2

Alarm In
- 3

RS-485 Connector
- 4

Audio In/Out
- 5

Video In
- 6

Main Monitor Out
- 7

VGA
- 8

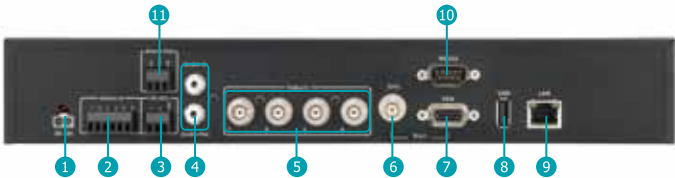
USB Port
- 9

Network Connector
- 10

RS232 Connector
- 11

Alarm Out

Rear View



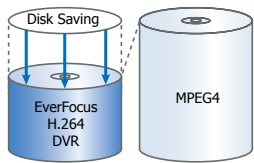
- Front & back panel controls vary depending on models

Advantages

H.264 Compression Technology

H.264 compression technology is considered 1.5 times better compression ratio than MPEG-4. Benefiting from H.264, ECOR series DVR delivers the crystal clear images as long with low bandwidth consumption.

Comparison



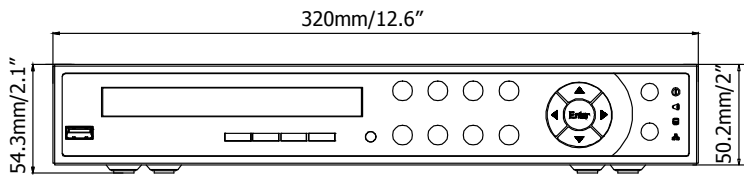
GUI

With Graphical User Interface (GUI), users can command specific actions on the ECOR Series DVR through graphical icons and visual indicators. Simply click the screen to do live or playback on the selected channel.

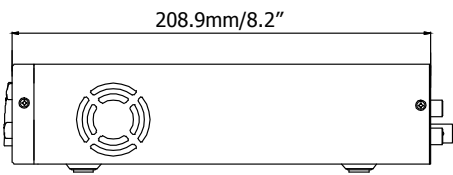


Dimensions

Front View



Side View



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information

* All product specifications are subject to change without notice

PowerVideo Plus

Advanced Central Management Software



Features

Easy Setup

- Mix and match IP, Analog and Mobile devices
- Supports all Everfocus branded products
- Automatic device discovery
- Intuitive Drag & Drop interface

Powerful Viewing

- Unlimited number of matrix views up to 64 channels each
- Supports 10 pages per matrix view with automatic page flipping
- Unlimited numbers of monitors support
- Everfocus Multi Stream™ technology

Flexible Recording

- Manual, Scheduled and Event based recording
- Remote archiving of DVR/Mobile DVR
- Multiple recording folders and Round-robin over-writing schema
- 1-click snapshot / record and quick playback

Additional Features

- PTZ controls and digital zooming
- Dynamic E-Maps to clearly see where each device is installed
- GPS tracking / fencing of Mobile DVRs
- 2-way audio support
- User configurable Alarm events
- User access management
- Bandwidth monitor

Specifications

Device Compatibility	All Everfocus Products
IP Devices Supported	Unlimited
Multiple View Matrix	up to 8 x 8
Single View / Playback Window	Unlimited
Multiple Monitors Support	Unlimited
Audio	Alarm sounds and 2-way support

System Requirements

Minimum

CPU	Intel Core 2 Duo
RAM	2 GB
Display	Intel onboard graphics
Ethernet	10/100 Mbit
Hard Disk	50 MB program install + video storage
Operating System	Windows XP

Recommended

CPU	Intel I3 or better
RAM	4 GB+
Display	AMD / Nvidia DirectX 10 compliant graphics card
Ethernet	Gigabit
Hard Disk	50 MB program install + video storage
Operating system	Windows 7



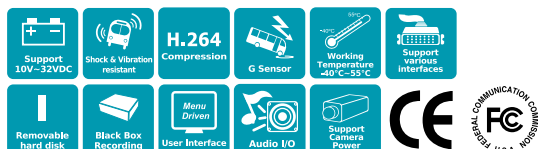
Mobile Video Surveillance

EMV1200

Compact 12 Channels H.264 Mobile DVR



(Wi-Fi optional)



Features

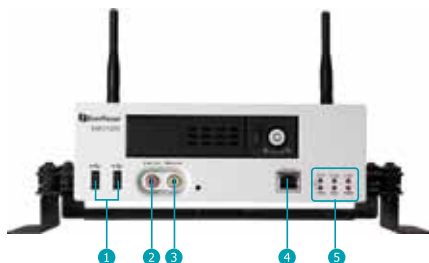
- 12 Channels of video and audio recording
- 1-DIN car audio size
- Recording Rate: 120fps@D1 resolution / 240fps@2CIF / 480fps@CIF resolution (with global settings; record rate, resolution and quality can be set independently per-camera up to the maximum of 480CIF-equivalent fps)
- H.264 compression format for efficient disk and network utilization
- Front and rear panel video/audio outputs for easy connection and configuration
- Special Graphical User Interface design for use with mobile small-sized monitors
- Molex connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs: 12 & 2 (alarm outputs are form "C")
- Embedded 3-axis G Sensor function with separate programmable alarm levels for X/Y and Z axis
- Removable video storage hard disk ; easy playback on PC (using EPR110 purchased separately)
- Supports single 3.5" or 2.5" SATA hard disk
- Supports multiple interfaces: 3xUSB, RS-485, RS-232, GPS port, wired Ethernet, IR Remote Control
- Optional wireless 802.11 b/g with diversity antennas
- Provides camera power for 12 cameras; interface cables to power jacks supplied
- Optional External EDGE / GPRS / CDMA / WI-FI Modules for cellular/specialized wireless transmission
- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Explosion-proof 'Explosion-proof storage' interface (option)
- Power Supply: 10V~32VDC with Surge Protection, Voltage Regulator, programmable Delay on/off
- Temperature: -40°C~55°C (Operating), -40°C~85°C (Non-Operating)

Specifications

Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux with special small monitor friendly GUI
Video Input	12 channels (vibration resistant locking Molex connectors – Interface cables to BNC-F supplied: 3X groups of 4 cameras each)
Video Output	Main monitor: 1 composite BNC rear panel / 1 front panel RCA output Call monitor: 1 composite BNC rear panel
Video Compression	H.264
Video Display	Full, 4/9/12, Sequence
Recording Resolutions (set independently per camera)	NTSC: 720x480 / 720x240 / 360x240; PAL: 704x576 / 704x288 / 352x288
Audio Inputs	12 line in (vibration resistant locking Molex connectors - Interface cables to RCA-F supplied: 3X groups of 4 cameras each)
Audio Outputs	1 front panel RCA line out, 1 rear panel RCA line out
Alarm Inputs	12 alarm inputs (vibration resistant locking Molex connectors - Interface cables supplied)
Alarm Outputs	2 alarm outputs (form "C"; contacts rated at 30V AC/DC @ 1 amp – interface cables supplied)
Storage	3.5" HDD x 1 (up to 2TB) or 2.5" HDD x 1 (up to 1TB)
Recording Rate	NTSC: D1 120fps, 2CIF 240fps & CIF 480fps (duplex) if set globally PAL: D1 100fps, 2CIF 200fps & CIF 400fps (duplex) if set globally Per camera resolutions and record rates can be set individually per camera through the OSD menus up to the maximum record capacity of 480 (400)FPS@CIF
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)
Record Quality	Adjustable in five levels per camera per Record Mode
Pre Alarm Recording	Optional; 5 second interval
Playback Rate	NTSC: D1 120fps, 2CIF 240fps & CIF 480fps (duplex) PAL: D1 100fps, 2CIF 200fps & CIF 400fps (duplex) Camera resolutions and record rates can be set individually per camera through OSD menus up to the maximum total record capacity of 480 (400)FPS@CIF
Playback Search	Time/Date, event search
Video Loss Detection	Yes
Event Alarm	Fan failure, hard disk temperature, hard disk failure, hard disk full, hard disk removed, power loss (after power is restored), network loss, GPS loss, GPS speed, GPS fencing, G sensor limits
Email Alert	Multiple email notifications in response to alarms and events (Requires real-time network connectivity through cellular or WiFi service)
G Sensor	Embedded 3-axis G Sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded
GPS Function	Optional External GPS Sensor for speed and geographic limit alarms (rectangular or circular fencing)
Configuration Method	On screen menu with 'portable monitor friendly' graphical user interface
Control/Setup	IR remote control, USB mouse, network I/F
Real-time Clock	Can be synchronized to GPS / NTP time source; flexible DST settings
Watchdog Function	Reboots DVR automatically if required
Networking	RJ45 socket, 10/100Mbps; 802.11b/g WiFi, diversity antennas TCP-IP / DHCP / PPPoE / DDNS / SMTP / SSL / POP3 / HTTP / NTP
System Warnings	System fail LED : HDD full, HDD/Sys Temp, Fan fail, HDD fail LED : HDD power off, HDD failure
File Export	USB 2.0 interface
Interfaces	RS-232 x 2, RS-485, USB x 3, GPS port
Explosion-proof Storage	4GB device (option)
Power Source	10V~32VDC (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage) (NOTE: This DVR is SAE certified. A power surge of more than 32VDC can damage this product. Please check that the vehicle's power system does not deliver voltage values higher than this.) With 4.8 / 3 amps cameras
Camera Power Outputs	Total current 4.8 amps @ 12VDC (vibration resistant locking Molex connectors – interface cable provided to coaxial power plugs: 3 X groups of 4 cameras); 1.2A for camera 1~4 and 3.6A for camera 5~12
Operating Temperature	Working Temperature: -40°C~55°C / -40°F~131°F Storage Temperature: -40°C~85°C / -40°F~185°F
Dimensions (W x D x H)	DVR alone: 210 x 260 x 70mm/8.27" x 10.22" x 2.76" DVR in mount with antennas: 312 x 298 x 164mm/12.29" x 11.75" x 6.47"
Weight	DVR without mount 3.2kg/7.05lbs DVR with mount 3.65kg/8.05lbs
Certificates	CE, FCC

Major Operating Controls

Front View



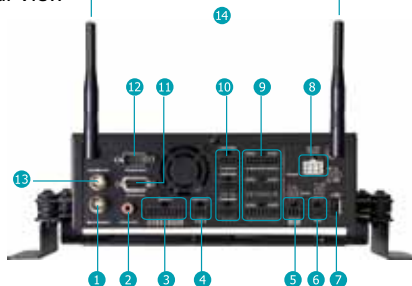
Front

- ① USB Port
- ② Audio Out
- ③ Main Monitor
- ④ Network Connector
- ⑤ System Status LEDs

Rear

- ① Main Monitor Out
- ② Audio Out
- ③ Alarm Input (12)
- ④ Alarm Output (2 x form 'C')
- ⑤ RS232 / RS485

Rear View

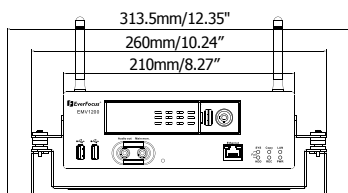


- ⑥ GPS Data Input
- ⑦ USB Port
- ⑧ Power Input / Ignition Control In / Switched Power Out
- ⑨ Video & Audio Inputs (12)
- ⑩ Camera Power Outputs (12)
- ⑪ Serial Port (Future Used)
- ⑫ Control Port (Future Used)
- ⑬ Call Monitor Out
- ⑭ 802.11 b/g WiFi

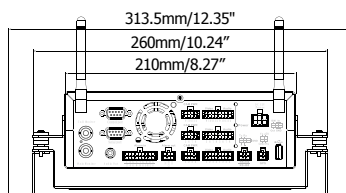
- Front & back panel controls vary depending on models

Dimensions

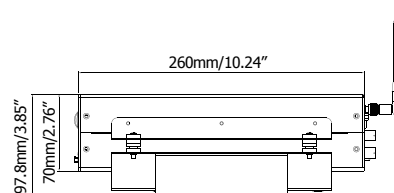
Front View



Rear View



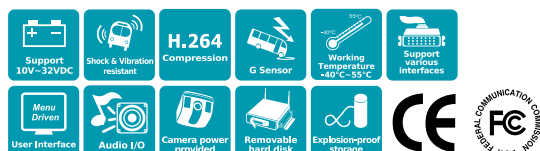
Side View



Mobile Digital Video Recorders EMV Series

EMV800

Compact 8 Channels H.264 Mobile DVR



Features

- 8 Channels of video and audio recording
- 1-DIN car audio size
- Recording Rate: 240fps@D1 resolution / 480fps@2CIF / 960fps@CIF resolution (with global settings; record rate, resolution and quality can be set independently per-camera up to the maximum of 960CIF-equivalent fps)
- H.264 compression format for efficient disk and network utilization
- Front and rear panel video/audio outputs for easy connection and configuration
- Special Graphical User Interface design for use with mobile small-sized monitors
- Molex connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs : 8 & 2 (alarm outputs are form "C")
- Embedded 3-axis G Sensor function with separate programmable alarm levels for X/Y and Z axis
- Removable video storage hard disk; easy playback on PC (using EPR110 purchased separately)
- Supports single 3.5" SATA hard disk standard (up to 2TB), 2.5" SATA hard disk standard (up to 1TB)
- Supports multiple interfaces: 3xUSB, RS-485, RS-232, GPS port, wired Ethernet, IR Remote Control
- Optional wireless 802.11 b/g with diversity antennas
- Provides camera power for 8 cameras; interface cables to power jacks supplied
- Optional External EDGE / GPRS / CDMA / WI-FI Modules for cellular/specialized wireless transmission
- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Explosion-proof 'Explosion-proof storage' interface (option)
- Power Supply : 10V~32VDC with Surge Protection, Voltage Regulator, programmable Delay on/off
- Temperature : -40°C~55°C (Operating), -40°C~85°C (Non-Operating)

Specifications

Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux with special small monitor friendly GUI
Video Input	8 channels (vibration resistant locking Molex connectors – Interface cables to BNC-F supplied: 2X groups of 4 cameras each)
Video Output	Main monitor: 1 composite BNC rear panel / 1 front panel RCA output Call monitor: 1 composite BNC rear panel
Video Compression	H.264
Video Display	Full, 4/9/12, Sequence
Recording Resolutions (set independently per camera)	NTSC: 720x480 / 720x240 / 360x240; PAL: 704x576 / 704x288 / 352x288
Audio Inputs	8 line in (vibration resistant locking Molex connectors - Interface cables to RCA-F supplied: 2X groups of 4 cameras each)
Audio Outputs	1 front panel RCA line out, 1 rear panel RCA line out
Alarm Inputs	8 alarm inputs (vibration resistant locking Molex connectors - Interface cables supplied)
Alarm Outputs	2 alarm outputs (form "C"; contacts rated at 30V AC/DC @ 1 amp – interface cables supplied)
Storage	3.5" HDD x 1 (up to 2TB) or 2.5" HDD x 1 (up to 1TB)
Recording Rate	NTSC: D1 240fps, 2CIF 480fps & CIF 960fps PAL: D1 200fps, 2CIF 400fps & CIF 800fps (Per camera resolutions and record rates can be set individually per camera through the OSD menus up to the maximum record capacity of 960 (800)FPS@CIF)
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)
Record Quality	Adjustable in five levels per camera per Record Mode
Pre Alarm Recording	Optional; 5 second interval
Playback Rate	NTSC: D1 240fps, 2CIF 480fps & CIF 960fps PAL: D1 200fps, 2CIF 400fps & CIF 800fps
Playback Search	Time/Date, event search
Video Loss Detection	Yes
Event Alarm	Fan failure, hard disk temperature, hard disk failure, hard disk full, hard disk removed, power loss (after power is restored), network loss, GPS loss, GPS speed, GPS fencing, G sensor limits
Email Alert	Multiple email notifications in response to alarms and events. (Requires real-time network connectivity through cellular or WiFi service)
G Sensor	Embedded 3-axis G Sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded
GPS Function	Optional External GPS Sensor for speed and geographic limit alarms (rectangular or circular fencing)
Configuration Method	On screen menu with 'portable monitor friendly' graphical user interface
Control/Setup	IR remote control, USB mouse, network I/F
Real-time Clock	Can be synchronized to GPS/NTP time source; flexible DST settings
Watchdog Function	Reboots DVR automatically if required
Networking	RJ45 socket, 10/100Mbps; 802.11b/g WiFi, diversity antennas TCP-IP / DHCP / PPPoE / DDNS / SMTP / SSL / POP3 / HTTP / NTP
System Warnings	System fail LED : HDD full, HDD/Sys Temp, Fan fail, HDD fail LED : HDD power off, HDD failure
File Export	USB 2.0 interface
Interfaces	RS-232 x 2, RS-485, USB x 3, GPS port
Explosion-proof Storage	4GB device (option)
Power Source	10V~32VDC (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage) (NOTE: This DVR is SAE certified. A power surge of more than 32VDC can damage this product. Please check that the vehicle's power system does not deliver voltage values higher than this.) With 4.8 / 3 amps cameras
Camera Power Outputs	Total current 4.8 amps @ 12VDC (vibration resistant locking Molex connectors – interface cable provided to coaxial power plugs: 3 X groups of 4 cameras); 1.2A for camera 1~4 and 3.6A for camera 5~12
Operating Temperature	Working Temperature: -40°C~55°C / -40°F~131°F Storage Temperature: -40°C~85°C / -40°F~185°F
Dimensions (W x D x H)	DVR alone: 210 x 260 x 70mm/8.27" x 10.22" x 2.76" DVR in mount with antennas: 312 x 298 x 164mm/12.29" x 11.75" x 6.47"
Weight	DVR without mount 3.2kg/7.05lbs DVR with mount 3.65kg/8.05lbs
Certificates	CE, FCC

Major Operating Controls

Front View



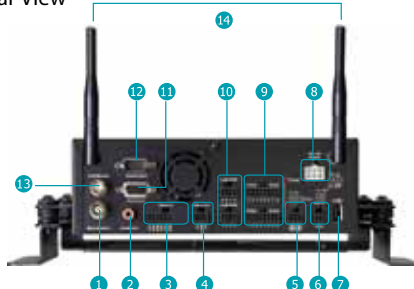
Front

- 1 USB Port
- 2 Audio Out
- 3 Main Monitor
- 4 Network Connector
- 5 System Status LEDs

Rear

- 1 Main Monitor Out
- 2 Audio Out
- 3 Alarm Input (8)
- 4 Alarm Output (2 x form 'C')
- 5 RS232 / RS485

Rear View

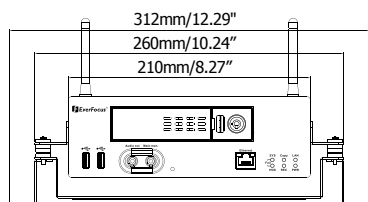


- 6 GPS Data Input
- 7 USB Port
- 8 Power Input / Ignition Control In / Switched Power Out
- 9 Video & Audio Inputs (8)
- 10 Camera Power Outputs (8)
- 11 Serial Port (Future Used)
- 12 Control Port (Future Used)
- 13 Call Monitor Out
- 14 802.11 b/g WiFi

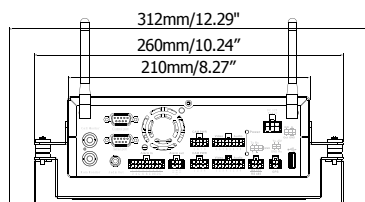
• Front & back panel controls vary depending on models

Dimensions

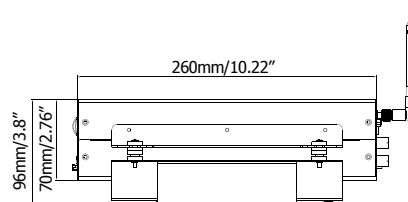
Front View



Rear View



Side View



EMV400

Compact 4 Channels H.264 Mobile DVR



(Wi-Fi optional)



Features

- 4 Channels of video and audio recording
- 1-DIN car audio size
- Recording Rate: 60fps@D1 resolution / 120fps@2CIF / 240fps@CIF resolution (with global settings; record rate, resolution and quality can be set independently per-camera up to the maximum of 240CIF-equivalent fps)
- H.264 compression format for efficient disk and network utilization
- Front and rear panel video outputs for easy connection and configuration
- Special Graphical User Interface design for use with mobile small-sized monitors
- Molex connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs: 6 & 2 (alarm outputs are form "C")
- Embedded 3-axis G Sensor function with separate programmable alarm levels for X/Y and Z axis
- Supports single 2.5" SATA hard disk standard (up to 1TB)
- Supports multiple interfaces: 3xUSB, RS-485, RS-232, GPS port, wired Ethernet, IR Remote Control
- Optional wireless 802.11 b/g with diversity antennas
- Provides camera power for 4 cameras ; interface cables to power jacks supplied
- Optional External EDGE / GPRS / CDMA / WI-FI Modules for cellular/specialized wireless transmission
- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Power Supply: 10V~32VDC with Surge Protection, Voltage Regulator, programmable Delay on/off
- Temperature: -40°C~55°C (Operating), -40°C~85°C (Non-Operating)

Specifications

Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux with special small monitor friendly GUI
Video Input	4 channels (vibration resistant locking Molex connectors - Interface cables to BNC-F supplied: two groups of 2 cameras each)
Video Output	Main monitor: 1 composite BNC rear panel / 1 front panel RCA output
Video Compression	H.264
Video Display	Full, 4/9/12, Sequence
Recording Resolutions (set independently per camera)	NTSC: 720x480 / 720x240 / 360x240 PAL: 720x576 / 720x288 / 360x288
Audio Inputs	4 line in (vibration resistant locking Molex connectors - Interface cables to RCA-F supplied: two groups of 2 cameras each)
Audio Outputs	1 front panel RCA line out
Alarm Inputs	6 alarm inputs (vibration resistant locking Molex connectors - Interface cables supplied)
Alarm Outputs	2 alarm outputs (form "C"; contacts rated at 30V AC/DC @ 1 amp - interface cables supplied)
Storage	2.5" HDD x 1 (up to 1TB)
Recording Rate	NTSC: D1 60Fps, 2CIF 120 fps, CIF 240 fps PAL: D1 50 Fps, 2CIF 100 fps, CIF 200 fps (Per camera resolutions and record rates can be set individually per camera through the OSD menus up to the maximum record capacity of 240 (200)FPS@CIF)
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)
Record Quality	Adjustable in five levels per camera per Record Mode
Pre Alarm Recording	Optional; 5 second interval
Playback Rate	NTSC: D1 60fps, 2CIF 120fps, CIF 240fps PAL: D1 50fps, 2CIF 100fps, CIF 200fps
Playback Search	Time/Date, event search
Video Loss Detection	Yes
Event Alarm	Fan failure, hard disk temperature, hard disk failure, hard disk full, hard disk removed, power loss (after power is restored), network loss, GPS loss, GPS speed, GPS fencing, G sensor limits
Email Alert	Multiple email notifications in response to alarms and events (Requires real-time network connectivity through cellular or WiFi service)
G Sensor	Embedded 3-axis G Sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded
GPS Function	Optional External GPS Sensor for speed and geographic limit alarms (rectangular or circular fencing)
Configuration Method	On screen menu with 'portable monitor friendly' graphical user interface
Control/Setup	IR remote control, USB mouse, network I/F
Real-time Clock	Can be synchronized to GPS/NTF time source; flexible DST settings
Watchdog Function	Reboots DVR automatically if required
Networking	RJ45 socket, 10/100Mbps; 802.11b/g WiFi, diversity antennas TCP-IP / DHCP / PPPoE / DDNS / SMTP / SSL / POP3 / HTTP / NTP
System Warnings	System fail LED : HDD full, HDD/Sys Temp, Fan fail, HDD fail LED : HDD power off, HDD failure
File Export	USB 2.0 interface
Interfaces	RS-232 x 2, RS-485, USB x 3, GPS port
Power Source	13.8VDC nominal; 10V~32VDC range (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage) (NOTE: This DVR is SAE certified. A power surge of more than 32VDC can damage this product. Please check that the vehicle's power system does not create voltage values higher than this.) Total current 5.5 amps @ 12VDC with 4ch x 450mA cameras
Camera Power Outputs	900mA for camera 1~2 and 900mA for camera 3~4. Vibration resistant locking Molex connectors - interface cable provided to coaxial power plugs: 2 x groups of 2 cameras
Dimensions (W x D x H)	DVR alone: 178 x 50 x 199mm/7" x 2" x 7.8" (1-DIN size) DVR in mount with antennas: 272 x 145 x 224mm/10.7" x 5.7" x 8.8"
Weight	DVR without mount 1.7kg/3.75lbs DVR with mount 2.15kg/4.74lbs
Operating Temperature	Working Temperature: -40°C~55°C / -40°F~131°F Storage Temperature: -40°C~85°C / -40°F~185°F
Certificates	CE, FCC

Major Operating Controls

Front View



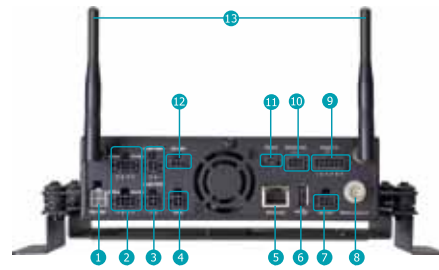
Front

- ① USB Port
- ② Audio Out
- ③ Main Monitor
- ④ System Status LEDs

Rear

- ① Power Input
- ② Video & Audio Input (4)
- ③ Camera Power Output (4)
- ④ GPS Data Input
- ⑤ Network Connector

Rear View

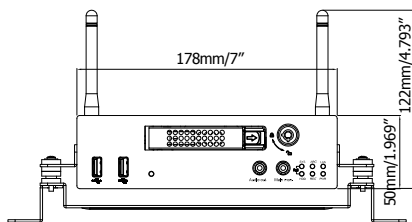


- ⑥ USB Port
- ⑦ RS232
- ⑧ Main Monitor Out
- ⑨ Alarm Input (6)
- ⑩ Alarm Output (2 x Form 'C')
- ⑪ Event Input
- ⑫ RS485 Input
- ⑬ 802.11 b/g WiFi

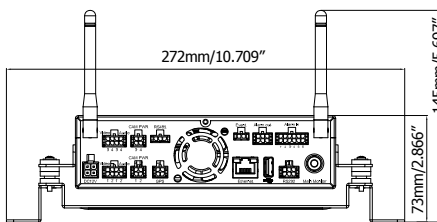
- Front & back panel controls vary depending on models

Dimensions

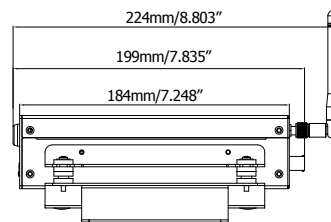
Front View



Rear View



Side View



EMV200S/EMV400S

Ultra Compact 2/4 Channels H.264
Portable/Mobile DVR with Built-in G sensor

NEW



Features

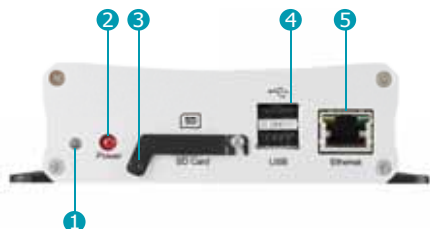
- 2/4 Channels of real-time D1 video and audio recording
- Embedded 3-axis G sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded
- Support extendable GPS module tracks speed, location and geographic limits
- Ultra compact size for easy installation
- Recording Rate: up to 30/25fps per channel @D1 resolution
- H.264 compression format for efficient storage and network utilization
- Special Graphical User Interface design for use with small-sized mobile/portable monitors
- D-sub/Terminal Block connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs: 2/4 & 1 (alarm output is form "C")
- Plug-and-play recording on completely shock proof SD/SDHC/SDXC card (up to 64GB) with security cover
- Swap out SD recording media, or export video through convenient USB port
- USB port supports a mouse for easy setup/programming/playback/export
- Supports multiple interfaces: USB 2.0, RS-232, wired Ethernet, IR Remote Control
- Power Supply: 10V~32VDC with surge protection, voltage Regulation, programmable delay On/Off for flexible control
- Optional External EDGE/GPRS/CDMA/WI-FI Modules for cellular/specialized wireless transmission
- GPS function tracks speed and geographic limits(optional external GPS receiver)
- Temperature range: -10°C~55°C / 14°F~131°F (Operating), -40°C~85°C / -40°F~185°F (Non-Operating)

Specifications

Model Name	EMV400S - 4CH Mobile DVR	EMV200S - 2CH Mobile DVR
Video Format	NTSC/PAL (auto detected by system)	
Operating System	Embedded Linux with special small monitor friendly GUI	
Video Input	4 channels (vibration resistant locking D-Sub connectors - Interface cables to BNC-F provided)	2 channels (vibration resistant locking D-Sub connectors - Interface cables to BNC-F provided)
Video Output	Main monitor: 1 composite 1 Vp-p (vibration resistant locking D-Sub connectors - Interface cables to BNC-F provided)	
Video Compression	H.264	
Recording Resolutions	NTSC:704x480 / 704x240 / 352x240 PAL:704x576 / 704x288 / 352x288 (Rate and resolution set independently per camera)	
Audio Inputs	4 line in (vibration resistant locking D-Sub connectors - Interface cables to RCA-F provided)	2 line in (vibration resistant locking D-Sub connectors - Interface cables to RCA-F provided)
Audio Outputs	1 line out (vibration resistant D-Sub block connectors - Interface cables to RCA-F provided)	
Alarm Inputs	4 alarm inputs (vibration resistant locking terminal block connectors - Interface cables supplied)	2 alarm inputs (vibration resistant locking terminal block connectors - Interface cables supplied)
Alarm Outputs	1 alarm relay output SPDT/Form "C" (vibration resistant locking terminal block connectors - Interface cables supplied)	
Recording Storage	1 SD/SDHC/SDXC card storage card up to 64GB with tamper resistant retention cover	
Recording Rate	NTSC: D1 120fps, 2CIF 240fps, CIF 480fps PAL: D1 100fps, 2CIF 200fps, CIF 400fps (Rate and resolution set independently per camera)	
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)	
Record Quality	Adjustable in five levels per camera per Record Mode	
Pre Alarm Recording	Optional; 5 second interval	
Playback Rate	Up to NTSC: D1 120fps, PAL: D1 100fps	
Playback Search	Time/Date, event search	
Video Loss Detection	Yes	
Event Alarm	SD/SDHC/SDXC card error, card temperature, card Full, card missing, Power Loss, Network Loss, GPS loss, GPS speed, GPS fencing	
Email Alert	Multiple email notifications in response to alarms and events (Requires real time network connectivity through cellular device)	
G Sensor	Embedded 3-Axis G Sensor; data recorded; alarm if separate user limits for X/Y or Z axis exceeded	
GPS Function	External GPS receiver module for speed and geographic limit alarms (rectangular or circular fencing)	
Configuration Method	On screen menu with "portable monitor friendly" graphical user interface	
Control/Setup	IR remote control, USB mouse, network I/F	
Real time clock	Can be synchronized to GPS/NTP time source; flexible DST settings	
Watchdog Function	Reboots DVR automatically if required	
Networking	RJ45 socket, 10/100Mbps TCP-IP/DHCP/PPPoE/DDNS/SMTP/SSL/POP3/HTTP/NTTP	
Interface	RS-232, Terminal Block, USB 2.0	
Power Source	13.8/27.6VDC nominal; 10V~32VDC range (Built in surge protection, voltage regulation, programmable delay On/Off relative to ignition or other switched voltage)	
Operating Temperature	Working Temperature: -10°C~55°C / 14 °F ~131 °F Storage Temperature: -40°C~85°C / -40 °F~185 °F	
Dimensions (W x H x D)	131 x 38.4 x 153mm/5.15" x 1.5" x 6.02"	
Weight	600g/1.32lbs	
Certificates	CE, FCC	

Major Operating Controls

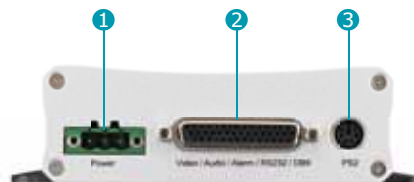
Front View



Front

- ① IR Receiver
- ② Power LED
- ③ Memory Card (SD/SDHC/SDXC)
- ④ USB Port
- ⑤ Ethernet Port (RJ45 connector)

Rear View



Rear

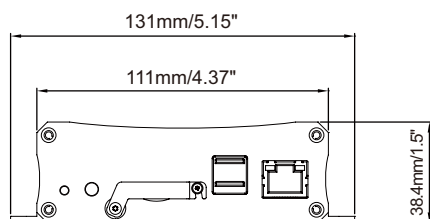
- ① Power Input: 10V ~ 32VDC
- ② Video Input: 2/4 CH Video Input (BNC)
Video Output: 1 CH Video Output (BNC)
Audio Input: 2/4 CH Audio Input (RCA)
Audio Output: 1 CH Audio Output (RCA)

- Alarm Input: 2/4 CH Alarm Input (DB9)
- Alarm Output: 1 CH Alarm Output (DB9)
- RS232: CAN Bus Bridge
- ③ PS2 Port: Extendable connector

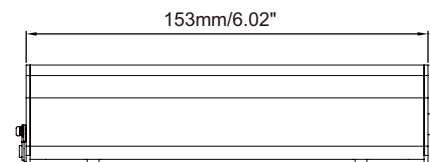
- Front & back panel controls vary depending on models

Dimensions

Front View



Side View



EMV200

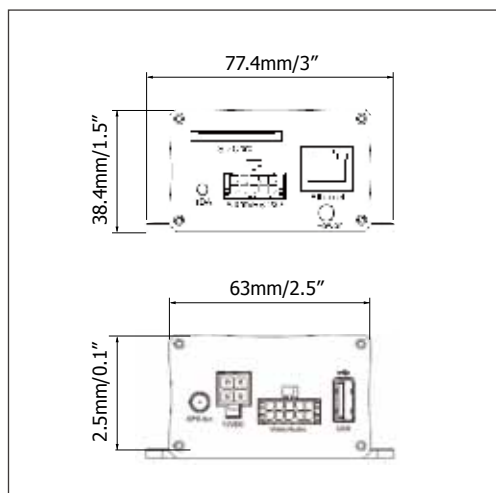
2 Channels Extra Compact SD Card Mobile DVR



Features

- 2 Channels of video and audio recording
- Recording Rate: 60fps@D1 resolution (with global settings; record rate, resolution and quality can be set independently)
- H.264 compression format for efficient storage and network utilization
- Special Graphical User Interface design for use with mobile small-sized monitors
- Molex connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs : 2 & 1
- Plug-and-play SD card recording, bumpy road proof
- Supports multiple interfaces: RS-232, USB 2.0, wired Ethernet, IR Remote Control
- Provides camera power for 2 cameras; interface cables to power jacks supplied
- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Power Supply : 12VDC with Surge Protection, Voltage Regulator, programmable Delay on/off
- Temperature : -40°C ~ 55°C (Operating), -40°C ~ 85°C (Non-Operating)

Dimensions



Specifications

Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux with special small monitor friendly GUI
Video Input	2 channels (vibration resistant locking Molex connectors – Interface cables to BNC)
Video Output	Main monitor: 1 composite BNC RCA output
Video Compression	H.264, support 2nd streaming
Recording Resolutions	NTSC: 720x480 / 720x240 / 360x240; PAL: 720x576 / 720x288 / 360x288
Audio Inputs	2 line in (vibration resistant locking Molex connectors/Interface cables to RCA)
Audio Outputs	1 RCA line out
Alarm Inputs	2 alarm inputs (vibration resistant locking Molex connectors/Interface cables supplied)
Alarm Outputs	1 alarm outputs (interface cables supplied)
Storage	1 SD card storage medium with anti-shock cover
Recording Rate	NTSC: D1 60fps, PAL: D1 50fps
Recording Mode	Continuous recording, event recording, continuous + event recording (Rate and resolution in each mode set independently per camera)
Record Quality	Adjustable in five levels per camera per Record Mode
Pre Alarm Recording	Optional; 5 second interval
Playback Rate	NTSC: D1 60fps, PAL: D1 50fps
Playback Search	Time/Date, event search
Video Loss Detection	Yes
Event Alarm	SD card error, SD card temperature, SD card Full, SD card Off, Power Loss, Network Loss, GPS loss, GPS speed, GPS fencing
Email Alert	Multiple email notifications in response to alarms and events (Requires real-time network connectivity through cellular or WiFi service)
GPS Function	Optional External GPS Sensor for speed and geographic limit alarms (rectangular or circular fencing)
Configuration Method	On screen menu with 'portable monitor friendly' graphical user interface
Control/Setup	IR remote control, USB mouse, network I/F
Real-time Clock	Can be synchronized to GPS/NTP time source; flexible DST settings
Watchdog Function	Reboots DVR automatically if required
Networking	RJ45 socket, 10/100Mbps TCP-IP / DHCP / PPPoE / DDNS / SMTP / SSL / POP3 / HTTP / NTP
Interface	RS-232, USB 2.0
Power Source	12VDC (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage)
Operating Temperature	Working Temperature: -10°C~55°C Storage Temperature: -40°C~85°C
Dimensions	117 x 63 x 38.4mm/4.6"x 2.5"x 1.5"
Weight	300g/0.66lbs
Certificates	CE, FCC

EMD300

Compact Weather & Vandal Proof
Mobile/Fixed Day/Night Mini-Dome Camera



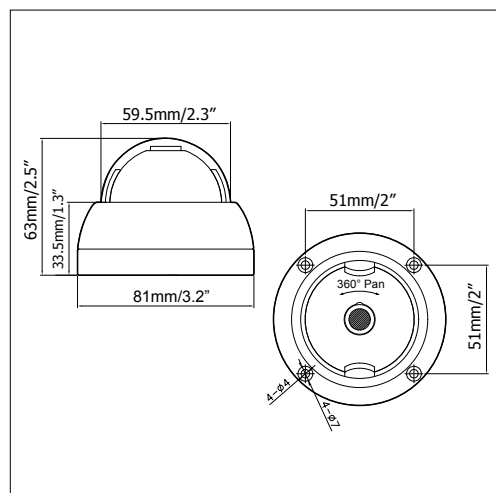
Features

- Super HAD II sensor at 0.05 Lux has superlative native light sensitivity
- High resolution 550 TVL
- Day/Night operation
- Vandal resistant
- Weather resistant
- Compact size
- Choice of black or silver housing color
- Low current draw

Specifications

Pickup Device	1/3" SONY Super HAD II CCD
Video Format	NTSC
Picture Elements	768 x 494(NTSC)
Horizontal Resolution	550 TVL
Sensitivity	0.05 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 45dB (AGC off)
Electronic Shutter	1/60 ~1/100,000sec.
Video Output	BNC 1.0V p-p, 75Ω
Gamma Correction	0.45
Lens Type	3.6mm board type
Day & Night	Switches to B/W in low light
Power Source	12VDC nominal. +/- 10%.
Power Consumption	100mA @ 12VDC
Weather Proof	IP66
Operating Temperature	-10°C~50°C / 14°F~122°F
Dimensions (D x H)	81 x 63mm/3.19 " x 2.48"
Weight	0.25kg/0.55lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EMD302

1/3" Color DSP, Indoor
Small Vandal-Proof Dome



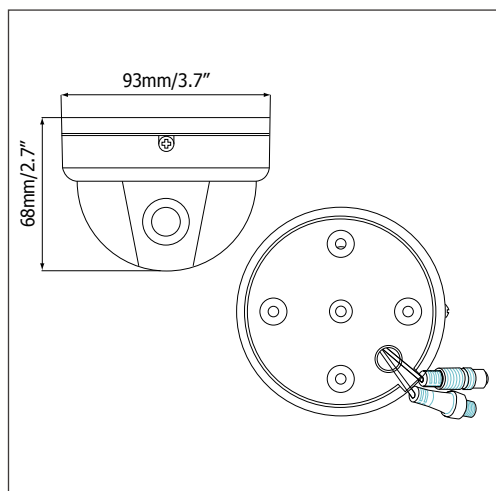
Features

- Color camera PCB module with 1/3" High Resolution sensor in mini Dome
- Employs Digital Signal Processor (DSP) chip-set for image control
- Pixel number: NTSC=380K / PAL=440K (High Resolution)
- High sensitivity, low smear, high anti-blooming, and high S/N ratio
- Support functions: Auto Electronic Shutter (AES), Auto Gain Control (AGC), Auto White Balance (AWB)
- Economical, furnished with mini lens
- Built-in anti-aliasing and IR-cut optical filter
- Furnished with DC power cable and video cable
- DC type, low power consumption
- Easy to install, easy to use

Specifications

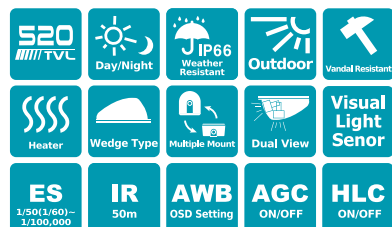
Image Pick-up Device	1/3" High Resolution sensor
Effective Picture Elements	NTSC: 768 x 494 (H x V) PAL: 752 x 582 (H x V)
Horizontal Resolution	540 TVL
Minimum Illumination	0.02 Lux/F=1.2
S/N Ratio	More than 48 dB
Auto Electronic Shutter	NTSC: 1/60s ~ 1/100,000sec. PAL: 1/50s ~ 1/110,000sec.
Gamma Characteristic	0.45
Lens Furnished	Board lens f 2.5mm / F 2.0 (optional: f = 3.6 / 4.3 / 6.0 / 8.0 / 12 / 16 mm)
Auto Gain Control	Yes
Auto White Balance	Yes
Synchronous System	Negative sync. Internal
Video Output	1 Vp-p, 75Ω BNC or F connector
Power Supply	DC 12V
Power Consumption	75mA max
Operating Temperature	-10°C ~ 50°C/14°F ~ 122°F
Dimensions(W x H)	87.5 x 56.5mm
Weight	350g/0.79lbs
Certificates	CE, FCC

Dimensions



EMW330/EMW330T

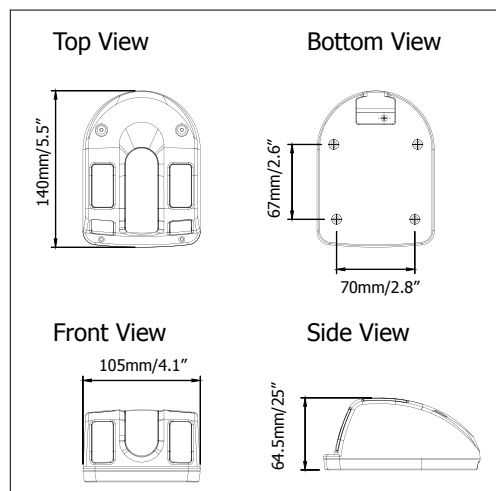
Vandal Resistant Mobile Camera with IR, IP67, Side/Rear/Wall/Ceiling Mounting



Features

- 1/3" SONY Super HAD CCD
- Resolution 520 TVL
- Streamline wedge type chassis
- Vari-Focal lens model with ICR feature (EMW330T)
- Fixed lens model with dual-position lens and IR illuminator (EMW330)
- Dual-position lens
- Dual-position IR illuminators provide clear images up to 50ft. away
- Vandal resistant, IP67 housing
- Side/Rear/Wall/Ceiling mounting options, no bracket required
- Built-in heater
- Visible light sensor provides IR illumination only when needed

Dimensions



Specifications

Model Name	EMW330	EMW330T
Pickup Device	1/3" SONY Super HAD CCD	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.	
Picture Elements	NTSC: 768x494/PAL: 752x582	
Horizontal Resolution	520 TVL	
Sensitivity	0.4 Lux / F=1.2 (IR OFF); 0 Lux (IR ON)	
S/N Ratio	Over 48dB (AGC Off)	
Electronic Shutter	1/50 (1/60)~1/100,000sec.	
Video Output	BNC 1.0Vp-p, 75Ω	
Gamma Correction	0.45	
Lens Type	Fixed lens options: f=3.6/8/16mm	Vari-Focal Lens, f=2.9~10mm/F=1.2, f=9~22mm/F=1.6
Back Light Comp.	Yes	
Auto Gain Control	Yes	
Auto White Balance	Yes (2500K~9000K)	
Sync. Mode	Internal sync	
Day/Night	Electronic	Auto IR Cut Removable
Day/Night Detection	Visible light sensor	
Built-in Heater	Yes	
IR LEDs	40 emitters in two arrays	
IR Distance	50 ft.	
IE Wavelength	850nm	
Weather Proof	IP67	
Vandal Proof	Yes	
Power Source	12VDC minimum; 13.8VDC nominal	
Power Consumption	8.4W max at 12VDC (Heater ON & IR LED ON)	
Mounting Options	Side / Rear / Wall / Ceiling mounting options, no bracket required	
Viewing Direction	Dual-Position (forward/downward)	Single-Position (forward)
IR LEDs Direction		
Operating Temperature	-40°C~60°C / -40°F~140°F	
Dimensions (W x D x H)	105 x 140 x 65mm/4.2" x 5.6" x 2.6"	
Weight	600g/1.35lbs	
Certificates	CE, FCC	

PowerVideo Plus

Advanced Central Management Software



NEW

Features

Easy Setup

- Mix and match IP, Analog and Mobile devices
- Supports all Everfocus branded products
- Automatic device discovery
- Intuitive Drag & Drop interface

Powerful Viewing

- Unlimited number of matrix views up to 64 channels each
- Supports 10 pages per matrix view with automatic page flipping
- Unlimited numbers of monitors support
- Everfocus Multi Stream™ technology

Flexible Recording

- Manual, Scheduled and Event based recording
- Remote archiving of DVR/Mobile DVR
- Multiple recording folders and Round-robin over-writing schema
- 1-click snapshot / record and quick playback

Additional Features

- PTZ controls and digital zooming
- Dynamic E-Maps to clearly see where each device is installed
- GPS tracking / fencing of Mobile DVRs
- 2-way audio support
- User configurable Alarm events
- User access management
- Bandwidth monitor

Specifications

Device Compatibility	All Everfocus Products
IP Devices Supported	Unlimited
Multiple View Matrix	up to 8 x 8
Single View / Playback Window	Unlimited
Multiple Monitors Support	Unlimited
Audio	Alarm sounds and 2-way support

System Requirements

Minimum

CPU	Intel Core 2 Duo
RAM	2 GB
Display	Intel onboard graphics
Ethernet	10/100 Mbit
Hard Disk	50 MB program install + video storage
Operating System	Windows XP

Recommended

CPU	Intel I3 or better
RAM	4 GB+
Display	AMD / Nvidia DirectX 10 compliant graphics card
Ethernet	Gigabit
Hard Disk	50 MB program install + video storage
Operating system	Windows 7



PTZ Cameras

EPTZ870

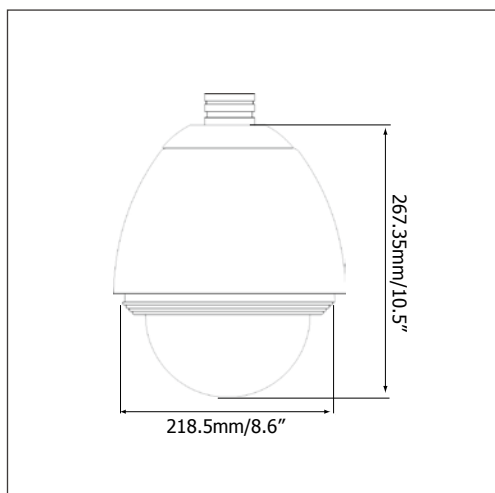
540 TVL, Outdoor Speed Dome with WDR & Day/Night (37x Optical Zoom)



Features

- EPTZ870 outdoor housing with wall mount bracket/power/heater/fan
- 1/4" SONY EXview CCD with a Digital Slow Shutter (DSS) and Day/Night mode
- 540 TVL; PAL/NTSC image formats support
- Auto and fast focus increases the searching speed and precision
- Auto Iris adjusts the monitoring image to the best brightness
- White balance function makes the shades of color more natural in different light conditions
- Wide Dynamic Range (WDR) allows dark portions of a bright image to be shown clear, enhancing details in scenes and removing noise(option)
- 3D Noise Reduction (3DNR) produces clear picture quality even under low light condition and efficiently reduces HDD consumption
- Support Privacy Zone Masking (PZM) up to 8 zones
- From super low [0.01°/sec] to high fast [360°/sec] pan/tilt speed
- Support digital flip
- 192 preset positions are available
- 16 cruise tours and each tour contains up to 16 positions
- 1 pattern with up to 60 second recording space
- Up to 256 speed domes can be supported on a RS-485 bus when all speed domes are controlled by EverFocus EKB500 keyboard controller
- Built-in 4 alarm inputs and 1 alarm output
- Auto heater and fan to fit all kinds of temperature
- Weatherproof IP66 rated

Dimensions



Specifications

Image Sensor	1/4" SONY EXview CCD
Zoom Ratio	37x Optical Zoom
Lens	37x Optical Zoom (F1.56 Wide End, F4.09 Tele End, f=3.5~129mm)
Horizontal Resolution	540 TVL
Min. Illumination	Color: 0.6 (0.003) Lux (Sens-up ON) B/W: 0.1 (0.0001) Lux (Sens-up ON)
Electronic Shutter Speed	Auto/Off/ A.FLK/Manual 1/60s(50s) ~ 1/90,000sec.
Digital Slow Shutter (DSS)	Up to 128x
Day/Night Mode	Auto/Day/Night
S/N Ratio	More than 50dB (AGC Off)
Iris	Auto/Manual
Focus	Auto/Manual/One Push
White Balance	Auto/Indoor/Outdoor/Manual
Backlight Comp	High/Middle/Low/Off
Auto Gain Control (AGC)	High/Middle/Low/Off
Wide Dynamic Range (WDR)	High/Middle/Low/Off
Privacy Zone Masking (PZM)	On (8 Zones)/Off
Noise Reduction	High/Middle/Low/Off
Preset Point	Up to 192 Preset Points
Built-In Protocols	EVF-1, PELCO-D, PELCO-P, AUTO, HKV1, BSH
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	180° pendulum rotation, support digital flip
Running to Position Speed	1-239 grade available, 0.01°/s~360°/s
Dwell Time at Preset Position	1-239s available
Position Accuracy	±0.1°
Manual Pan/Tilt Speed	0.01°/s~180°/s
Proportional Pan Speed	Control speed auto-adjusted according to zoom length changing
Auto Pan (2 points scanning)	Can set freely
Auto Pan Speed	1-239 grade available
Dwell Time (2 points)	1-239s available
Tour	16 groups
Tour Points per Group	16 preset positions
Pattern	1 pattern with up to 60 second
Alarm	4 in 1 out with tour / position auto triggering
Address Editable	Yes (through DIP switch)
ID Address	0-255
Communication	Standard RS-485
Communication Speed	1200/2400/4800/9600bps
Operating Temperature	-40°C ~ 60°C / -40°F ~ 140°F
Operating Moisture	±95%
Power Supply	24VAC
Power Consumption	18W max without heater; 70W max with heater
Fan/Heater	Fan/Heater auto starts
Dimensions (W x H)	218.5 x 267.35 mm/8.6" x 10.5"
Weight	4.2kg/9.25lbs
Weather Resistant	IP66
Certificates	CE, FCC

EPTZ470

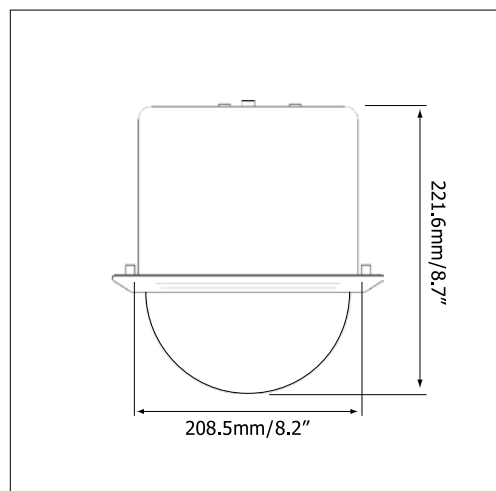
540 TVL, Indoor Speed Dome with WDR & Day/Night (37x Optical Zoom)



Features

- EPTZ470 indoor recessed mount
- 1/4" SONY EXview CCD with a Digital Slow Shutter (DSS) and Day/Night mode
- 540 TVL; PAL/NTSC image formats support
- Auto and fast focus increases the searching speed and precision
- Auto Iris adjusts the monitoring image to the best brightness
- White balance function makes the shades of color more natural in different light conditions
- Wide Dynamic Range (WDR) allows dark portions of a bright image to be shown clear, enhancing details in scenes and removing noise(option)
- 3D Noise Reduction (3DNR) produces clear picture quality even under low light condition and efficiently reduces HDD consumption
- Support Privacy Zone Masking (PZM) up to 8 zones
- From super low [0.01°/sec] to high fast [360°/sec] pan/tilt speed
- Support digital flip
- 192 preset positions are available
- 16 cruise tours and each tour contains up to 16 positions
- 1 pattern with up to 60 second recording space
- Up to 256 speed domes can be supported on a RS-485 bus when all speed domes are controlled by EverFocus EKB500 keyboard controller
- Built-in 4 alarm inputs and 1 alarm output

Dimensions



Specifications

Image Sensor	1/4" SONY EXview CCD
Zoom Ratio	37x Optical Zoom
Lens	37x Optical Zoom (F1.56 Wide End, F4.09 Tele End, f=3.5~129mm)
Horizontal Resolution	540 TVL
Min. Illumination	Color: 0.6 (0.003) Lux (Sens-up ON) B/W: 0.1 (0.0001) Lux (Sens-up ON)
Electronic Shutter Speed	Auto/Off/A.FLK/Manual 1/60s(50s) ~ 1/90,000sec.
Digital Slow Shutter (DSS)	Up to 128x
Day/Night Mode	Auto/Day/Night
S/N Ratio	More than 50dB (AGC Off)
Iris	Auto/Manual
Focus	Auto/Manual/One Push
White Balance	Auto/Indoor/Outdoor/Manual
Backlight Comp	High/Middle/Low/Off
Auto Gain Control (AGC)	High/Middle/Low/Off
Wide Dynamic Range (WDR)	High/Middle/Low/Off
Privacy Zone Masking (PZM)	On (8 Zones)/Off
Noise Reduction	High/Middle/Low/Off
Preset Point	Up to 192 Preset Points
Built-In Protocols	EVF-1, PELCO-D, PELCO-P, AUTO, HKVI, BSH
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	180° pendulum rotation, support digital flip
Running to Position Speed	1-239 grade available, 0.01°/s~360°/s
Dwell Time at Preset Position	1-239s available
Position Accuracy	±0.1°
Manual Pan/Tilt Speed	0.01°/s~180°/s
Proportional Pan Speed	Control speed auto-adjusted according to zoom length changing
Auto Pan (2 points scanning)	Can set freely
Auto Pan Speed	1-239 grade available
Dwell Time (2 points)	1-239s available
Tour	16 groups
Tour Points per Group	16 preset positions
Pattern	1 pattern with up to 60 second
Alarm	4 in 1 out with tour / position auto triggering
Address Editable	Yes (through DIP switch)
ID Address	0-255
Communication	Standard RS-485
Communication Speed	1200/2400/4800/9600bps
Power Supply	24VAC
Power Consumption	18W max without heater; 70W max with heater
Operating Moisture	±95%
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Dimensions (W x H)	208.5 x 221.6 mm/8.2" x 8.7"
Weight	Approx. 3.2kg/7.05lb
Certificates	CE, FCC

EPTZ3650/3650i

530 TVL, Outdoor/Indoor Speed Dome with Auto Tracking, WDR & True Day/Night (36x Optical Zoom)



Outdoor

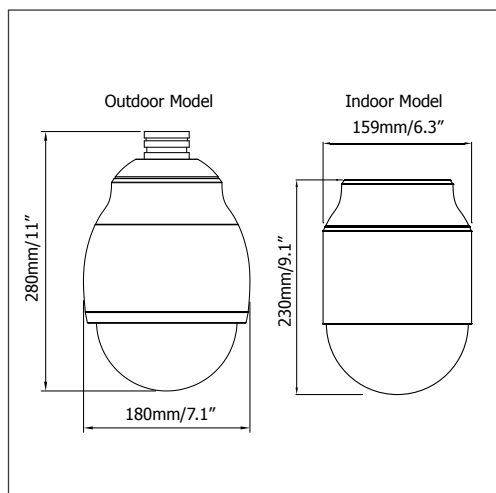


Indoor

Features

- Support smart auto tracking functions such as exclusive masking, pan/tilt limits, various lost modes, tracking on patrol and various resume functions
- One-click easy installation
- True Day/Night function with removable IR cut filter
- Wide Dynamic Range (WDR)
- Digital Slow Shutter (DSS)
- Privacy Zone Masking
- From super low [0.01°/sec] to high fast [360°/sec] pan/tilt speed
- IP66 rated housing for any-weather outdoor use
- Maximum 192 preset positions available
- Programmable autopan/16 tours/4 patterns
- 4 priority alarm inputs & 2 alarm outputs
- Smart alarm reaction & resume after alarm
- Enhanced auto-resume & power-up function
- Digital Flip function
- Power consumption: 30W max

Dimensions



Specifications

Model Name	EPTZ3650 (outdoor)	EPTZ3650i (indoor)
Pickup Device	1/4" SONY EXview HAD CCD	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec. 768 x 494 (NTSC); 752 x 582 (PAL)	
Horizontal Resolution	530 TVL	
Min. Illumination	Normal: 1.4 Lux/ 1/60 (1/50)sec; Night Mode: 0.01 Lux/ 1/4 (1/3) sec. (ICR ON)	
S/N Ratio (AGC OFF)	50dB	
Electronic Shutter	1 ~ 1/10,000sec.	
Digital Slow Shutter	60x (50x for PAL)	
Shutter Selection	AUTO; A.FLK; Manual 1~1/10,000 selectable	
Lens Type	36x optical zoom, f=3.4 mm (wide) to 122.4mm (tele), F1.6 to F4.5	
Zoom Ratio	432x max (36x Optical and 12x Digital Zoom)	
True Day & Night	Yes, (Auto/Day/Night)	
Auto Gain Control	Yes, (Auto/Manual)	
Backlight Comp.	Yes, (OFF; ON)	
Wide Dynamic Range	Yes, (OFF; ON)	
White Balance	Auto; Indoor; Outdoor	
Auto Tracking	Exclusive Mask, Pan / Tilt Limits, Lost Mode, Manual Target Tracking	
Motion Detection	Yes, (4 zone)	
Privacy Zone Masking	Yes, (8 zone)	
Video Output	1Vp-p, 75Ω	
Sync. Mode	Internal	
Focus Control	One Push / Auto / Manual	
Horizontal Rotation Speed	0.01°/s~360°/s (1-255 grade shift gears)	
Manual Pan/Tilt Speed	Pan: 0.01°~180°/s ; Tilt: 0.01°~180°/s	
Position Accuracy	±0.1°	
Horizontal Rotation Range	360° unlimited rotation	
Tilt Rotation Range	90° pendulum motion	
Auto Speed Control	Control speed auto-adjusted according to zoom length changing	
Auto Pan, 2 Points Scanning	Can set freely	
Auto Pan Speed	1-255 grade available, 0.01°/s ~ 360°/s	
Dwell Time (2 points)	1-99 second available	
Preset Positions	192 positions	
Running to Position Speed	1-255 grade available, 0.01°/s ~ 360°/s	
Dwell Time at Preset Position	1-99 second available	
Tour	16 groups	
Tour Point per Group	16 preset positions	
Pattern	4 patterns with 90 sec long each	
Alarm	4 in 2 out with tour / position auto triggering	
Fan	Auto starts	
Built-in Menu for Functions	Yes	
Communication	RS-485	
Communication Speed	1200/2400/4800/9600bps	
Built-in Protocols	AUTO; EVF; Pelco-P; Pelco-D/Plus-D; A-Type; Panasonic	
Address Editable	Yes (through DIP switch)	
Speed Dome ID Address	0-255	
Power Source	24VAC	
Power Consumption	30W Max	
Environmental Rating	IP66 for outdoor EPTZ3650	
Operating Temperature	-40°C~50°C ≤ 95% / -40°F~122°F ≤ 95%(EPTZ3650) -10°C~50°C ≤ 85% / 14°F~122°F ≤ 85%(EPTZ3650i)	
Dimensions (W x H)	180 x 280 mm/7.1" x 11" (EPTZ3650) 159 x 230 mm/6.3" x 9.1" (EPTZ3650i)	
Weight	3.0kg/6.62lbs	
Certificates	CE, FCC	

EPTZ3150/3150i

520 TVL, Outdoor/Indoor Speed Dome with WDR & True Day/Night (33x Optical Zoom)



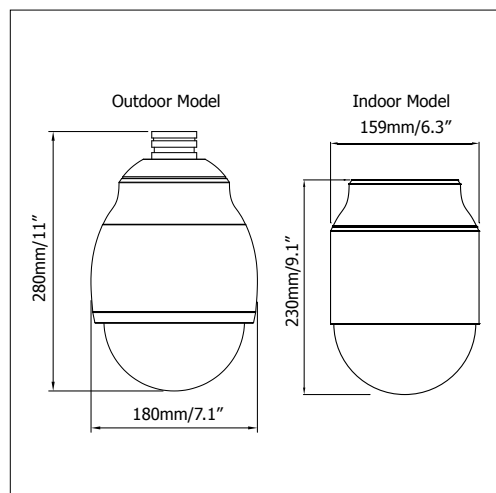
Outdoor

Indoor

Features

- Support smart auto tracking functions such as exclusive masking, pan/tilt limits, various lost modes, tracking on patrol and various resume functions
- One-click easy installation
- True Day/Night function with removable IR cut filter
- Wide Dynamic Range (WDR)
- Digital Slow Shutter (DSS)
- Built-in Dynamic Noise Reduction (DNR)
- Privacy Zone Masking
- From super low [0.01°/sec] to high fast [360°/sec] pan/tilt speed
- IP66 rated housing for any-weather outdoor use
- Maximum 192 preset positions available
- Programmable autopan/16 tours/4 patterns
- 4 priority alarm inputs & 2 alarm outputs
- Smart alarm reaction & resume after alarm
- Enhanced auto-resume & power-up function
- Digital Flip function
- Power consumption: 30W max
- Back Light Compensation

Dimensions



Specifications

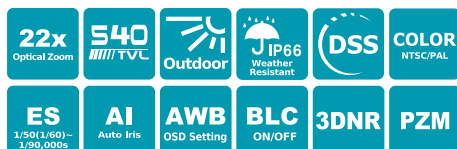
Product Model	EPTZ3150 (outdoor)	EPTZ3150i (indoor)
Pickup Device	1/4" Samsung SDM335	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec. 768 x 494 (NTSC); 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Min. Illumination	Normal: 0.4 Lux/F1.6; Night Mode: 0.08 Lux/F1.6 (ICR ON)	
S/N Ratio (AGC OFF)	50dB	
Electronic Shutter	128x~ 1/60(1/50) ~ 1/120,000(s)(NTSC)	
Digital Slow Shutter	128x	
Shutter Selection	AUTO; A.FLK; Manual 128x~1/60 (1/50)~1/120,000 selectable	
Lens Type	33x optical zoom, f=3.3 mm (wide) to 99mm (tele), F1.6 to F3.2	
Zoom Ratio	240x max (33x Optical and 8x Digital zoom)	
True Day & Night	Yes, (Auto/Day/Night)	
Auto Gain Control	Yes, (OFF/Low/Mid/High)	
Backlight Comp.	Yes, (OFF/Low/Mid/High)	
Wide Dynamic Range	Yes, (OFF/Auto/ON)	
Dynamic Noise Reduction	Yes, (OFF/Low/Mid/High)	
White Balance	Indoor/Outdoor/MAN5100K/MAN3200K/MAN2000K/ONE PUSH	
Auto Tracking	Exclusive Mask, Pan/Tilt Limits, Lost Mode, Manual Target Tracking	
Motion Detection	Yes, (OFF/ON)	
Privacy Zone Masking	Yes, (4 zone)	
Video Output	1Vp-p, 75Ω	
Sync. Mode	Internal	
Focus Control	One Push/Auto/Manual	
Horizontal Rotation Speed	0.01°/s~360°/s (1-255 grade shift gears)	
Manual Pan/Tilt Speed	Pan: 0.01°~180°/s; Tilt: 0.01°~180°/s	
Position Accuracy	±0.1°	
Horizontal Rotation Range	360° unlimited rotation	
Tilt Rotation Range	90° pendulum motion	
Auto Speed Control	Control speed auto-adjusted according to zoom length changing	
Auto Pan, 2 Points Scanning	Can set freely	
Auto Pan Speed	1-255 grade available, 0.01°/s ~ 360°/s	
Dwell Time (2 points)	1-99 second available	
Preset Positions	192 positions	
Running to Position Speed	1-255 grade available, 0.01°/s ~ 360°/s	
Dwell Time at Preset	1-99 second available	
Tour	16 groups	
Tour Point per Group	16 preset positions	
Pattern	4 patterns with 90 sec long each	
Alarm	4 in 2 out with tour/position auto triggering	
Fan	Auto starts	
Built-in Menu for Functions	Yes	
Communication	RS-485	
Communication Speed	1200/2400/4800/9600bps	
Built-in Protocols	AUTO; EVF; Pelco-P; Pelco-D/Plus-D; A-Type; Panasonic	
Address Editable	Yes (through DIP switch)	
Speed Dome ID Address	0-255	
Power Source	24VAC	
Power Consumption	30W Max	
Environmental Rating	IP66 for outdoor EPTZ3150	
Operating Temperature	-40°C~50°C ≤ 95% / -40°F~122°F ≤ 95%(EPTZ3150) -10°C~50°C ≤ 85% / 14°F~122°F ≤ 85%(EPTZ3150i)	
Dimensions (W x H)	180 x 280mm/7.1" x 11" (EPTZ3150) 159 x 230mm/6.3" x 9.1" (EPTZ3150i)	
Weight	3.0kg/6.62lbs	
Certificates	CE, FCC	

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* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EPTZ830

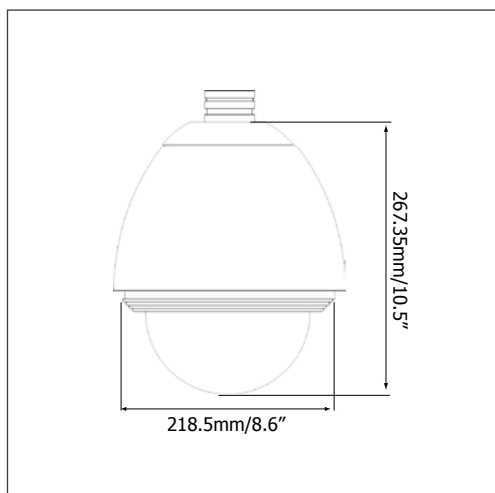
540 TVL, Outdoor Speed Dome with Day/Night
(22x Optical Zoom)



Features

- EPTZ830 outdoor housing with wall mount bracket/power/heater/fan
- 1/4" SONY Super HAD CCD II with a Digital Slow Shutter (DSS) and Day/Night mode
- 540 TVL; PAL/NTSC image formats support
- Auto and fast focus increases the searching speed and precision
- Auto Iris adjusts the monitoring image to the best brightness
- White balance function makes the shades of color more natural in different light conditions
- 3D Noise Reduction (3DNR) produces clear picture quality even under low light condition and efficiently reduces HDD consumption
- Support Privacy Zone Masking (PZM) up to 8 zones
- From super low [0.01°/sec] to high fast [360°/sec] pan/tilt speed
- Support digital flip
- 192 preset positions are available
- 16 cruise tours and each tour contains up to 16 positions
- 1 pattern with up to 60 second recording space
- Up to 256 speed domes can be supported on a RS-485 bus when all speed domes are controlled by EverFocus EKB500 keyboard controller
- Built-in 4 alarm inputs and 1 alarm output
- Auto heater and fan to fit all kinds of temperature
- Weatherproof IP66 rated

Dimensions



Specifications

Image Sensor	1/4" SONY Super HAD CCD II
Zoom Ratio	22x Optical Zoom
Lens	22x Optical Zoom (F1.5 Wide End, F3.0 Tele End, f=3.3~73mm)
Horizontal Resolution	540 TVL
Min. Illumination	Color: 0.001(0.3) Lux (Sens-up OFF) B/W: 0.00005(0.05) Lux (Sens-up OFF)
Electronic Shutter Speed	Auto/Off/A.FLK/Manual 1/60s(50s) ~ 1/90000s
Digital Slow Shutter (DSS)	Up to 128x
Day/Night Mode	Auto/Day/Night
S/N Ratio	More than 50dB (AGC Off)
Iris	Auto/Manual
Focus	Auto/Manual/One Push
White Balance	Auto/Indoor/Outdoor/Manual
Backlight Comp	High/Middle/Low/Off
Auto Gain Control (AGC)	High/Middle/Low/Off
Privacy Zone Masking (PZM)	On (8 Zones)/Off
Noise Reduction	High/Middle/Low/Off
Preset Point	Up to 192 Preset Points
Built-In Protocols	Everfocus, Pelco-D, Pelco-P, Samsung
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	180° pendulum rotation, support digital flip
Running to Position Speed	1-239 grade available, 0.01°/s~360°/s
Dwell Time at Preset Position	1-239s available
Position Accuracy	±0.1°
Manual Pan/Tilt Speed	0.01°/s~180°/s
Proportional Pan Speed	Control speed auto-adjusted according to zoom length changing
Auto Pan (2 points scanning)	Can set freely
Auto Pan Speed	1-239 grade available
Dwell Time (2 points)	1-239s available
Tour	16 groups
Tour Points per Group	16 preset positions
Pattern	1 pattern with up to 60 second
Alarm	4 in 1 out with tour / position auto triggering
Address Editable	Yes (through DIP switch)
ID Address	0-255
Communication	Standard RS-485
Communication Speed	1200/2400/4800/9600bps
Fan / Heater	Fan / heater auto starts
Power Supply	24VAC
Power Consumption	18W max without heater; 70W max with heater
Weather Resistant	IP66
Operating Moisture	±95%
Operating Temperature	-40°C ~ 60°C / -40°F ~ 140°F
Dimensions (W x H)	218.5 x 267.35 mm/8.6" x 10.5"
Weight	4.2 kg/9.25lbs
Certificates	CE, FCC

EPTZ430

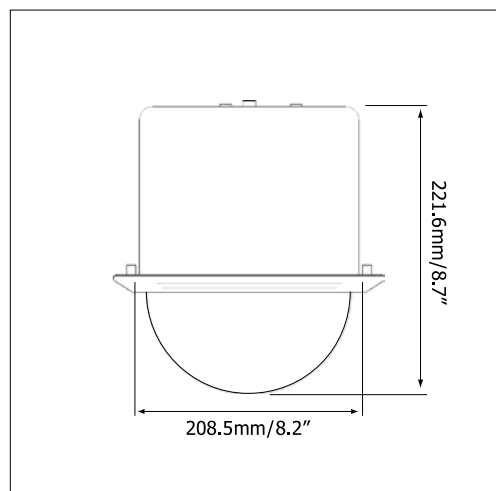
540 TVL, Indoor Speed Dome with Day/Night
(22x Optical Zoom)



Features

- EPTZ430 indoor recessed mount
- 1/4" SONY Super HAD CCD II with a Digital Slow Shutter (DSS) and Day/Night mode
- 540 TVL; PAL/NTSC image formats support
- Auto and fast focus increases the searching speed and precision
- Auto Iris adjusts the monitoring image to the best brightness
- White balance function makes the shades of color more natural in different light conditions
- Color/B&W images auto switching to enhance the sensitivity in a low light condition or at night
- 3D Noise Reduction (3DNR) produces clear picture quality even under low light condition and efficiently reduces HDD consumption
- Support Privacy Zone Masking (PZM) up to 8 zones
- Excellent position accuracy to ± 0.1 degree
- From super low $[0.01^\circ/\text{sec}]$ to high fast $[360^\circ/\text{sec}]$ pan/tilt speed
- Support digital flip
- 192 preset positions are available
- 16 cruise tours and each tour contains up to 16 positions
- 1 pattern with up to 60 second recording space
- Up to 256 speed domes can be supported on a RS-485 bus when all speed domes are controlled by EverFocus EKB500 keyboard controller
- Built-in 4 alarm inputs and 1 alarm output

Dimensions



Specifications

Image Sensor	1/4" SONY Super HAD CCD II
Zoom Ratio	22x Optical Zoom
Lens	22x Optical Zoom (F1.5 Wide End, F3.0 Tele End, $f=3.3\sim 73\text{mm}$)
Horizontal Resolution	540 TVL
Min. Illumination	Color: 0.001(0.3) Lux (Sens-up OFF) B/W: 0.00005(0.05) Lux (Sens-up OFF)
Electronic Shutter Speed	Auto/Off/A.FLK/Manual 1/60s(50s) ~ 1/90000sec.
Digital Slow Shutter (DSS)	Up to 128x
Day/Night Mode	Auto/Day/Night
S/N Ratio	More than 50dB (AGC Off)
Iris	Auto/Manual
Focus	Auto/Manual/One Push
White Balance	Auto/Indoor/Outdoor/Manual
Backlight Comp	High/Middle/Low/Off
Auto Gain Control (AGC)	High/Middle/Low/Off
Privacy Zone Masking (PZM)	On (8 Zones)/Off
Noise Reduction	High/Middle/Low/Off
Preset Point	Up to 192 Preset Points
Built-In Protocols	Everfocus, Pelco-D, Pelco-P, Samsung
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	180° pendulum rotation, support digital flip
Running to Position Speed	1-239 grade available, $0.01^\circ/\text{s} \sim 360^\circ/\text{s}$
Dwell Time at Preset Position	1-239s available
Position Accuracy	$\pm 0.1^\circ$
Manual Pan/Tilt Speed	$0.01^\circ/\text{s} \sim 180^\circ/\text{s}$
Proportional Pan Speed	Control speed auto-adjusted according to zoom length changing
Auto Pan (2 points scanning)	Can set freely
Auto Pan Speed	1-239 grade available
Dwell Time (2 points)	1-239s available
Tour	16 groups
Tour Points per Group	16 preset positions
Pattern	1 pattern with up to 60 second
Alarm	4 in 1 out with tour/position auto triggering
Address Editable	Yes (through DIP switch)
ID Address	0-255
Communication	Standard RS-485
Communication Speed	1200/2400/4800/9600bps
Power Supply	24VAC
Power Consumption	18W max without heater; 70W max with heater
Operating Moisture	$\pm 95\%$
Operating Temperature	$0^\circ\text{C} \sim 40^\circ\text{C} / 32^\circ\text{F} \sim 104^\circ\text{F}$
Dimensions (W x H)	208.5 x 221.6mm/8.2" x 8.7"
Weight	3.2kg/7.05lbs
Certificates	CE, FCC

EPTZ1000

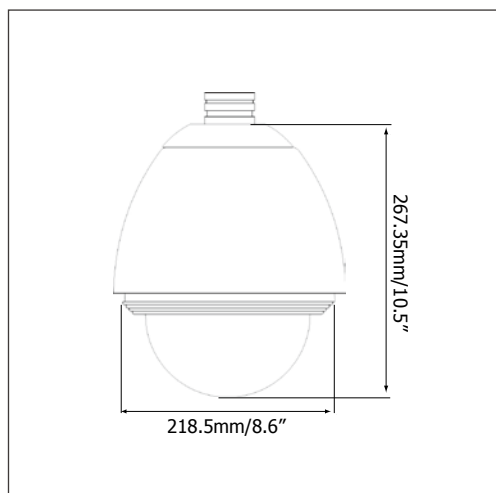
460 TVL, Outdoor Weatherproof Speed Dome
(18x Optical Zoom)



Features

- 1/4" SONY Interline Transfer Super HAD CCD with 460 TVL of horizontal resolution
- Auto Pan/Tilt/Zoom function Pan/Tilt/Zoom
- 192 preset positions available
- 16 cruise tours can be set (each tour contains up to 16 positions)
- Up to 256 speed domes can be supported on the RS-485 bus
- 4 alarm inputs, 1 alarm output
- Auto Iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- Built-in heater and fan to tolerate low temperatures
- Weatherproof IP66 rated to withstand all weather conditions

Dimensions



Specifications

Pickup Device	1/4" SONY Type EXview HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	460 TVL
Sensitivity	0.7 Lux/F1.4
S/N Ratio (AGC OFF)	Over 50dB
Electronic Shutter	1~ 1/10,000sec.
Digital Slow Shutter	Yes
Shutter Selection	Yes
Lens Type	18x optical zoom, f=4.1 mm (wide)~73.8mm (tele), F=1.4~3.0
Zoom Ratio	216x max (18x Optical and 12x Digital Zoom)
Auto ICR	Yes
Back Light Comp.	On/Off
Auto Gain Control	Auto
White Balance	Auto/Indoor/Outdoor
Video Output	BNC, 1Vp-p, 75Ω
Sync. Mode	Line Lock/Internal sync
Focus Control	One push/Auto/Manual
Horizontal Rotation Speed	0.01°/s~360°/s (1-239 grade shift gears)
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	90° pendulum motion
Auto Flip	Rotates 180° when camera tilts to the vertical position
Auto Speed Control	Control speed auto-adjusted according to zoom length changing
Auto Pan, 2 Points Scanning	Can set freely
Auto Pan Speed	1~239 grades available
Dwell Time (2 points)	1~239 second available
Preset Positions	192 positions
Running to Position Speed	1~239 grade available, 0.01°/s~360°/s
Dwell Time at Preset Position	1~239 second available
Tour	16 groups
Tour Point per Group	16 preset positions
Fan & Heater	Auto starts
Position Accuracy	±0.1°
Alarm	4 inputs / 1 output with tour / position auto triggering
Built-in Menu for Functions	Yes
Communication	RS-485
Communication Speed	1200/2400/4800/9600 bps
Built-in Protocols	EVF-1, Pelco-P, Pelco-D, Plus-D, A-Type, Plus-D
Address Editable	Yes (through DIP switch)
Speed Dome Address	0-255
Manual Pan/Tilt Speed	Pan: 0.01°~180°/s; Tilt: 0.01°~180°/s
Power Source	24VAC
Power Consumption	18W; 70W with heater
Weatherproof Ratings	IP66
Operating Temperature	-40°C~50°C / -40°F~122°F
Dimensions (W x H)	218.5 x 267.5mm/8.6" x 10.5"
Weight	4.2kg/9.25lbs
Certificates	CE, FCC

EPTZ500

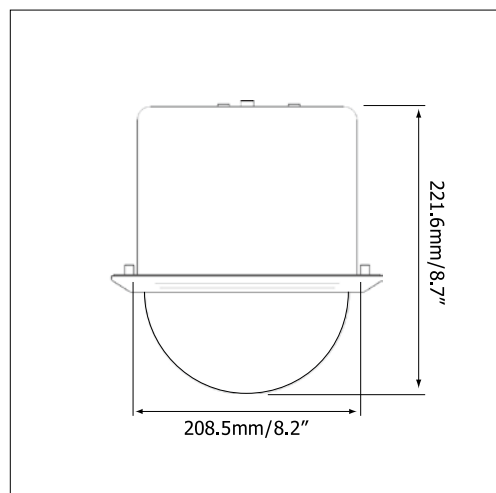
460 TVL, Indoor Recessed Speed Dome
(18x Optical Zoom)



Features

- 1/4" SONY Interline Transfer Super HAD CCD with 460 TVL of horizontal resolution
- Auto Pan/Tilt/Zoom function
- 192 preset positions are available
- 16 cruise tours can be set (each tour contains up to 16 positions)
- Up to 256 speed domes can be supported on the RS-485 bus
- Auto Iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- Supports EverFocus, Pelco-D, Pelco-P & Samsung Protocols
- Suitable for any indoor application

Dimensions



Specifications

Pickup Device	1/4" SONY Type EXview HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC), 752 x 582 (PAL)
Horizontal Resolution	460 TVL
Sensitivity	0.7 Lux/F=1.4
S/N Ratio (AGC OFF)	Over 50dB
Electronic Shutter	1~1/10,000sec.
Digital Slow Shutter	Yes
Shutter Selection	Yes
Lens Type	18x optical zoom, f=4.1mm (wide)~73.8mm (tele), f=1.4~3.0
Zoom Ratio	216x max (18x Optical and 12x Digital Zoom)
Auto ICR	Yes
Black Light Comp.	on/off
Auto Gain Control	Auto
White Balance	Auto/Indoor/Outdoor
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock/Internal Sync.
Focus Control	One push/Auto/Manual
Horizontal Rotation Speed	0.1°/s~360°/s (1-239 grade shift gears)
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	90° pendulum rotation
Auto Flip	Rotates 180° when camera tilts to the vertical position
Auto Zoom Speed Control	Control speed auto-adjusted according to zoom length changing
Auto Pan, 2 Points Scanning	Can set freely
Auto Pan Speed	1-239 grade available
Dwell Time (2 points)	1-239 second available
Preset Positions	192 positions
Running to Position Speed	1-239 grade available, 0.1°/s~360°/s
Dwell Time at Preset Position	1-239 second available
Tour	16 groups
Tour Point per Group	16 preset positions
Position Accuracy	±0.1°
Alarm	4 Inputs / 1 Output with tour / Position auto triggering
Built-In Menu for Functions	Yes
Communication	RS-485
Communication Speed	1200/2400/4800/9600bps
Built-in Protocols	EVF-1, Pelco-D, Pelco-P, A-type, Plus-D
Address Editable	Yes (through DIP switch)
Speed Dome Address	0-255
Manual Pan/Tilt Speed	Pan: 0.1°~180°/s; Tilt: 0.1°~180°/s
Power Source	24VAC
Power Consumption	18W
Weatherproof Ratings	Indoor
Operating Temperature	0°C~50°C / 32°F~122°F
Dimensions (O.D. x H)	208.5 x 221.6mm/8.2" x 8.7"
Weight	2.15kg/4.8lbs
Certificates	CE, FCC



Color Cameras

ED630s

700 TVL, Super Low Light,
D-WDR & 3-Axis Gimbal Mechanism
Indoor IR Dome Camera



NEW

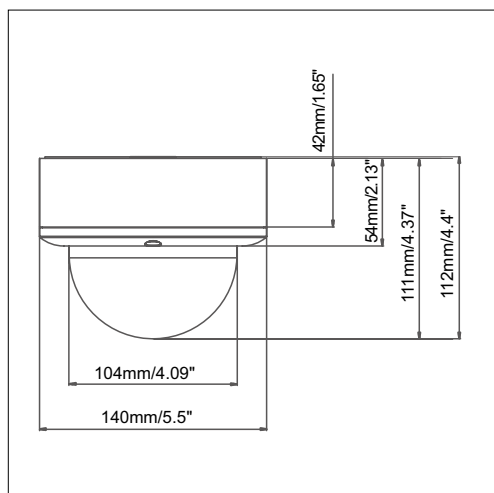


POLESTAR III

Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- The starlight Super-high sensitivity of 0.00006 Lux/ F=1.2 is achieved by Digital Slow Shutter (Sens-Up 512x)
- SONY Effio-S platform to perform advanced camera functions and excellent picture quality
- Vari-Focal DC Iris Lens 2.8~10mm
- True Day/Night with ICR module
- Support 3D & 2D Noise Reduction
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- 30 IR LEDs reach up to 15m/~50ft. range
- Easy to use OSD Setup Menu
- D-WDR functions by SONY Extended ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), High Light Compensation (HLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Digital Image Stabilization
- Digital Zoom
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements

Dimensions



Specifications

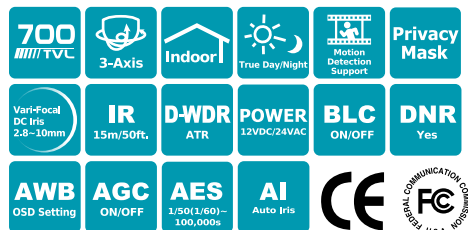
Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508(V)	1020(H) x 596(V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0.00006 Lux/Sens-up 512x; 0 Lux (IR LED On)	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
High Light Compensation	ON/OFF/AUTO CLIP: 0~255 / SCALE: 0~15	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	0~200 Levels adjustable	
Auto White Balance	ATW / AWB / 3200K / 6300K / ANTI CR / PUSH LOCK / MANUAL	
Sync. Mode	Internal	
Day & Night Mode	External/Auto/Color/B&W	
IR LED	30 units IR LED	
IR Configuration	IR On < 2 Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
OSD Menu	OSD Control (English / Traditional Chinese / Simplified Chinese)	
DNR	3DNR: OFF / ON / MIDLOW / MID / MIDTHIGH / HIGH 2DNR: OFF / ON / MIDLOW / MID / MIDTHIGH / HIGH	
D-WDR (Extended ATR)	OFF/BLC/WDR	
Digital Slow Shutter	Sens-Up ~512x	
Digital Image Stabilization	Yes	
Digital Zoom	Yes	
Mirror	Normal / Vertical / Mirror / Rotate	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable, Mosaic	
Power Source	12VDC/24VAC	
Power Consumption	IR Off: 12VDC: 2.5W / 24VAC: 4W IR On: 12VAC: 6W / 24VAC: 7.5W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm / 5.5" x 4.4"	
Weight	510g/1.12lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-612 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

ED630e

700 TVL, D-WDR & 3-Axis Gimbal Mechanism
Indoor IR Dome Camera

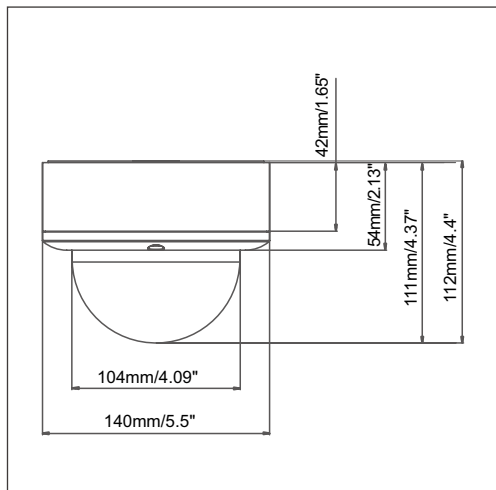
NEW



Features

- 700 TVL superior image quality by SONY 1/3" EXview HAD CCD II 960H sensor
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10mm with ICR
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- True Day/Night with ICR module and 30 IR LEDs reach up to 15m/~50ft. range
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology fit backlight conditions
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC), Back Light Compensation (BLC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis mechanical design fits flexible view perspective requirements

Dimensions



Specifications

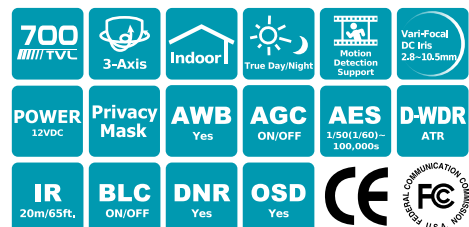
Pickup Device	1/3" SONY EXview HAD CCD II (960H)	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508 (V)	1020(H) x 596(V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0 Lux (IR LED On)	
S/N Ratio	Over 52dB (AGC off)	
Electronic Shutter	1/60 (1/50) ~ 1/100,000sec.	
Video Output	BNC 1.0V p-p, 75Ω	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC Iris Lens 2.8~10mm / F1.2 with ICR	
Back Light Compensation	HLC/BLC/Off	
Auto Gain Control	Yes	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Sync. Mode	Internal	
OSD menu	Yes(English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)	
DNR	On/Off	
D-WDR(ATR)	On/Off	
Mirror	On/Off	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable	
IR LED	30 Units IR LED	
IR Configuration	IR On < 2 Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
Power Source	12VDC/24VAC Dual Voltage	
Power Consumption	IR Off: 12VDC: 2.5W / 24VAC:4W IR On: 12VDC: 6W / 24VAC:7.5W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	510g/1.12lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-612; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Filling: BA-614;
Connection Box for Adapter: BA-615

EXD330e

700 TVL, 3-Axis High Resolution IR Day/Night Compact Indoor Dome Camera

NEW



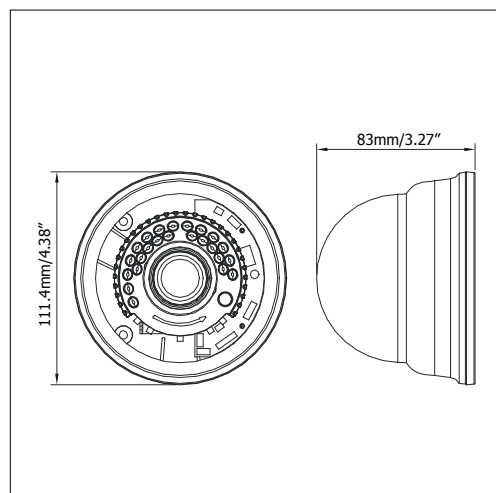
Features

- 3-Axis True Day/Night camera with SONY 1/3" EXview HAD CCD II 960H sensor, 700 TVL resolution
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10.5mm with ICR
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- True Day/Night with ICR module and 24 IR LEDs reach up to 20m (~65ft.) range
- D-WDR functions by SONY ATR technology
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions

Specifications

Pickup Device	1/3" SONY EXview HAD CCD II (960H)
Video Format	NTSC / PAL (depends on model selected)
Picture Elements	976 x 494 (NTSC), 976 x 582 (PAL)
Horizontal Resolution	700 TVL
Sensitivity	0.03 Lux/F=1.2; 0 Lux (IR LED On)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60) ~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal DC Iris Lens 2.8~10.5mm with ICR
Back Light Compensation	On/Off
Auto Gain Control	Yes
White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
Sync. Mode	Internal Sync.
Day & Night	Yes
OSD menu	Yes (English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)
DNR	On/Off
D-WDR(ATR)	On/Off
Mirror	On/Off
Motion Detection	On/Off for 24x16 Detection Blocks
Privacy Mask	On/Off for 8 Areas (Size Adjustable)
IR LED	24 Units IR LED
IR Wavelength	850nm
IR Distance	20m (~65ft.)
Power Source	12VDC
Power Consumption	12VDC : 340mA/4W max
Humidity	20%~80% non-condensing
Operating Temperature	-10°C~40°C / 14°F~104°F
Dimensions (O.D.xH)	111.4 x 83mm/4.38" x 3.27"
Weight	450g/1lbs
Certificates	CE, FCC

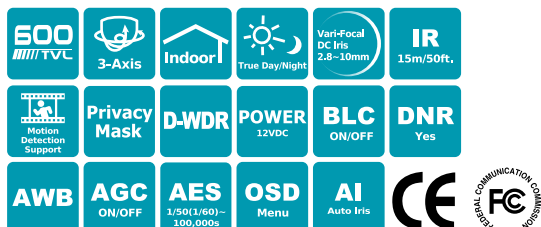
Dimensions



ED630x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism
Indoor IR Dome Camera

NEW



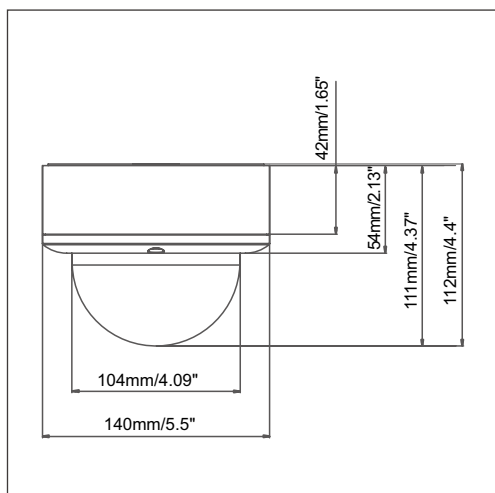
Features

- 600 TVL High Resolution CCD sensor
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- 30 IR LEDs reach up to 15m/~50ft. range
- True Day/Night with ICR module
- Easy to use OSD Setup Menu
- Built-in DNR, D-WDR functions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements

Specifications

Pickup Device	1/3" High Sensitivity Color CCD	
Video Format	NTSC	PAL
Picture Elements	811(H) x 507(V)	795(H) x 595(V)
Horizontal Resolution	600 TVL	
Sensitivity	0.15 Lux/F=1.2 ; 0 Lux (IR LED On)	
S/N Ratio	Over 48dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (3 Steps)	
Auto White Balance	ATW1 / ATW2 / AWC / Manual	
Sync. Mode	Internal	
IR LED	30 units IR LED	
IR Configuration	IR On < 2 Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
OSD Menu	OSD Control (English / Simplified Chinese)	
DNR	On/Off switch	
D-WDR	On/Off switch	
Mirror	On/Off Switch	
Motion Detection	4 Detection Zones	
Privacy Mask	8 Zones	
Power Source	12VDC	
Power Consumption	12VDC: 1W(IR Off) 4.5W(IR On)	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	450g/1lbs	
Certificates	CE, FCC	

Dimensions



Accessories Option: Wall Bracket: BA-612 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

ED335

520 TVL, 1/3" CCD, 3-Axis, Indoor IR Dome Camera, Surface or Flush Mount Capabilities



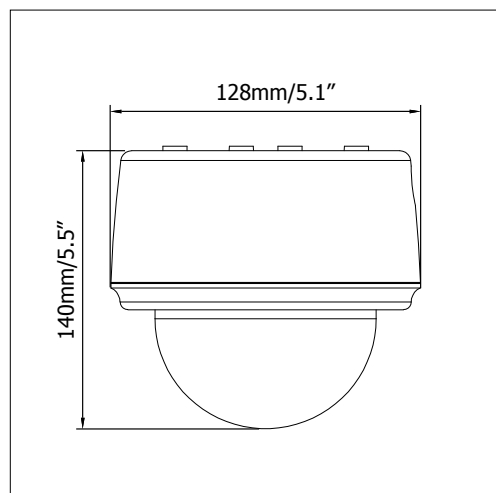
Features

- Designed with advanced digital signal processing circuitry for high image quality
- 520 TVL of excellent high resolution technology
- Designed with IR LEDs for day and night environment
- IR distance up to 20m
- Provides Ceiling (surface) mount and In-ceiling (flush) mount
- 3-Axis rotation for any view angle
- Built-in vari-focal type, auto Iris lens
- 12VDC/24VAC Dual Voltage support

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0 Lux (IR LED ON) 0.4 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f=2.8~10mm/f=9~22mm
Iris Level	Adjustable
Auto Gain Control	On
Back Light Comp.	Yes
White Balance	Yes
Gamma Correction	0.45
Video Output	Two Video Outputs: 1. BNC 1.0 Vp-p, 75Ω 2. Additional testing video output 1.0Vp-p, 75Ω
Sync. Mode	Internal sync.
IR Distance	20m
IR Wavelength	850nm
Power Source	12VDC/24VAC
Power Consumption	12VDC: 6W max.; 24VAC: 6.5W max.
Operating Temperature	0°C~40°C / 32°F~104°F (20%~80% Humidity)
Dimensions (Φ x H)	Surface Type: 140 x 128mm/5.5" x 5.1"; Ceiling Type: 140 x 69mm/5.5" x 2.77"
Weight	0.66kg/1.45lbs
Certificates	CE, FCC

Dimensions



ED330E

520 TVL, 1/3" CCD High Res.,
Indoor IR Dome Camera



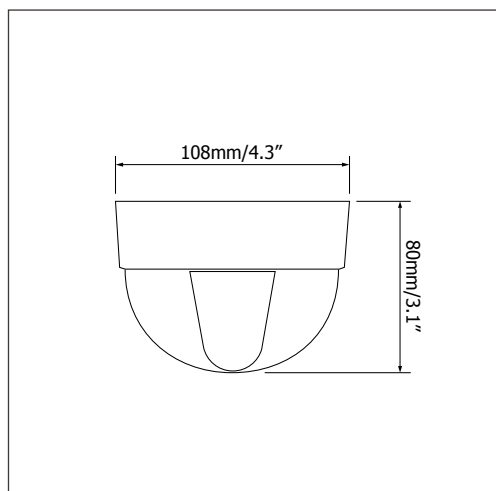
Features

- Low light sensitivity 0.4 Lux/F=1.2 is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- The sensitivity is 0 Lux when IR LED is ON
- Easy installation
- Auto Electronic Shutter function
- Automatic Gain Control function
- Auto White Balance function
- IR distance: 10m/33ft.

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2 (AGC ON); 0 Lux (IR LED on)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	4.3mm
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal Sync.
IR LED	14pcs
IR Distance	10m/33ft.
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	4W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions (Φ x H)	108 x 80mm/4.3" x 3.2"
Weight	0.21kg/0.46lbs
Certificates	CE, FCC

Dimensions



ED230E

380 TVL, 1/3" CCD Standard Res.,
IR Dome Camera



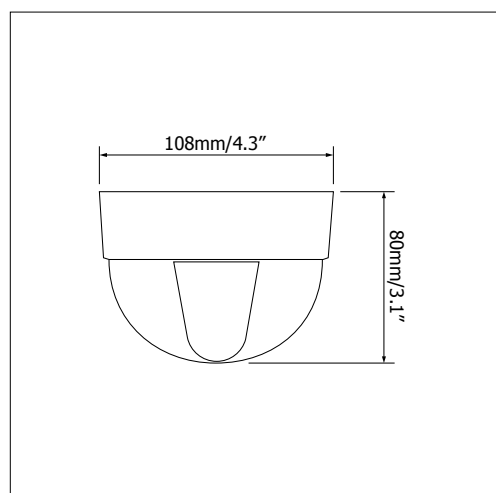
Features

- Low light sensitivity 0.3 Lux/F=1.2 is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- The sensitivity is 0 Lux when IR LED is ON
- Easy installation
- Auto Electronic Shutter (AES). Automatic Gain Control (AGC). Auto White Balance function (AWB)
- IR distance: 10m/33ft.

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2 (AGC ON); 0 Lux (IR LED on)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	4.3mm
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal Sync.
IR LED	14pcs
IR Distance	10m/33ft.
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	4W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions (Φ x H)	108 x 80mm/4.3" x 3.2"
Weight	0.21kg/0.46lbs
Certificates	CE, FCC

Dimensions



EBD330I

520 TVL, 1/3" CCD High Res., 3-Axis,
Vari-Frequency, Indoor IR Dome Camera



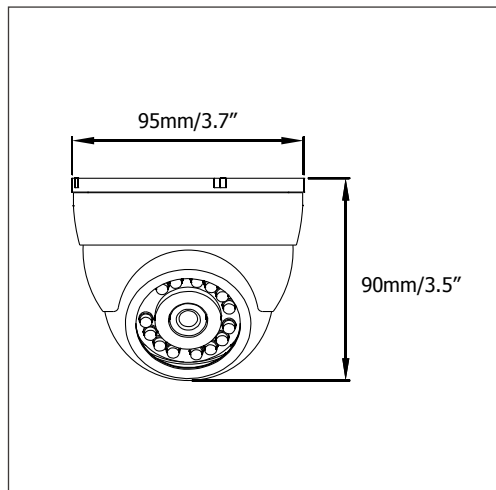
Features

- Low light sensitivity 0.4 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" Super HAD CCD
- High Resolution 520 TVL
- 3-Axis facilitates easy angle adjustment
- Intelligent Vari-frequency of IR control to save electricity and make brightness balance
- Easy installation
- Individual lens glass to avoid remaining image from light reflection
- View angle 50~78 degree-range, IR distance 10~15 meters

Specifications

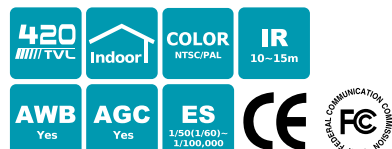
Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0 Lux (IR LED on) 0.4 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 48dB (AGC OFF)
Electronic Shutter	1/50(1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	4.3mm, 6.0mm, 8mm
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal sync.
IR Control	Vari-frequency
IR LED	14pcs
IR Distance	4.3mm Lens Type: 10m 6mm Lens Type: 12m 8mm Lens Type: 15m
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	3W max.
Operating Temperature	0°C~40°C / 32°F~104°F (20%~80% Humidity)
Dimensions (Φ x H)	95 x 90 mm/3.7" x 3.5"
Weight	0.17kg/0.37lbs
Certificates	CE, FCC

Dimensions



EBD255

420 TVL, 1/3" CCD, Indoor IR Mini Color Dome Camera



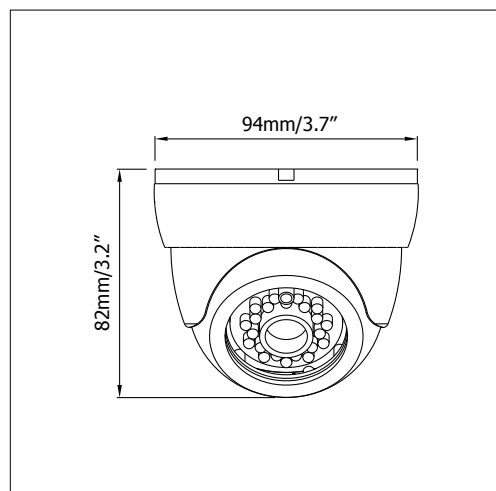
Features

- IR Dome color camera with SHARP 1/3" Super HAD CCD sensor
- Employs Digital Signal Processor (DSP) chip-set for image control
- Pixel number: NTSC=270K/PAL=320K
- High sensitivity, low smear, high anti-blooming and high S/N ratio
- Build-in functions: Auto Electronic Shutter (AES), Auto Gain Control (AGC), Auto White Balance (AWB) functions
- Built-in anti-aliasing and IR-pass (850nm) optical filter
- Built-in IR-LED X 12

Specifications

Image Pick-up Device	SHARP 1/3" Color CCD
Effective Picture Elements	NTSC: 510 x 492; PAL: 500 x 582
Horizontal Resolution	420 TVL
Minimum Illumination	0 Lux with built-in IR-LED
S/N Ratio	More than 48 dB
Auto Electronic Shutter	NTSC: 1/60s~1/100,000sec.; PAL: 1/50s~1/110,000sec.
Gain Control	Automatically
White Balance	Automatically (2500K~9500K)
Gamma Characteristic	0.45
Lens Furnished	Board Lens 3.6 mm/F2.0 (optional: 4.3 mm, 6mm)
Synchronous System	Internal, Negative sync.
Video Output	1 Vp-p Composite Video, 75Ω
Power Supply	12VDC/250 mA
Operating Temperature	-10°C~50°C / 14°F~122°F
IR LED	12 Units of 850nm IR LED
IR Distance	10~15m
Dimensions (Φ x H)	94 x 82mm/3.7" x 3.2"
Weight	0.17kg/.037lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
 * Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EBD230I

380 TVL, 1/3" CCD Standard Res., 3-Axis, Vari-Frequency, Indoor IR Dome Camera



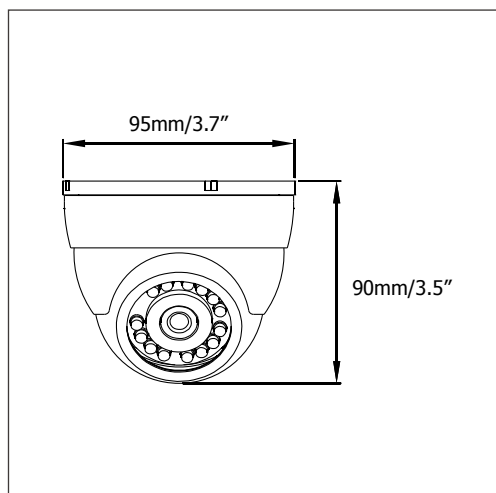
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" Super HAD CCD
- High Resolution 380 TVL
- 3-Axis facilitates easy angle adjustment
- Intelligent Vari-frequency of IR control to save electricity and make brightness balance
- Easy installation
- Individual lens glass to avoid remaining image from light reflection
- View angle 50~78 degree-range, IR distance 10~15 meters

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec; PAL: 625 TVL, 50 fields/sec.
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Sensitivity	0 Lux (IR LED on) 0.3 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 48dB (AGC OFF)
Electronic Shutter	1/50(1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	4.3mm, 6.0mm, 8mm
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal sync.
IR Control	Vari-frequency
IR LED	14pcs
IR Distance	4.3mm Lens Type: 10m
	6mm Lens Type: 12m
	8mm Lens Type: 15m
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	3W max.
Operating Temperature	0°C~40°C / 32°F~104°F (20%~80% Humidity)
Dimensions (Φ x H)	95 x 90 mm/3.74" x 3.54"
Weight	0.17kg/0.37lbs
Certificates	CE, FCC

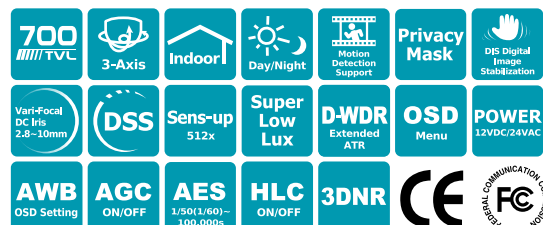
Dimensions



ED610s

700 TVL, Super Low Light,
D-WDR & 3-Axis Gimbal Mechanism
Indoor Dome Camera

NEW

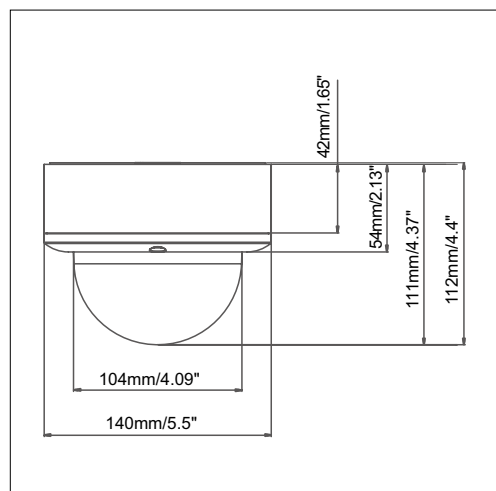


POLESTAR III

Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- The starlight Super-high sensitivity of 0.00006 Lux/F=1.2 is achieved by Digital Slow Shutter (Sens-Up 512x)
- SONY Effio-S platform to perform advanced camera functions and excellent picture quality
- Vari-Focal DC Iris Lens 2.8~10mm
- Support 3D & 2D Noise Reduction
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY Extended ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), High Light Compensation (HLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Digital Image Stabilization
- Digital Zoom
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements

Dimensions



Specifications

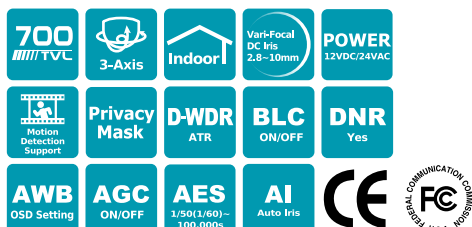
Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508 (V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0.00006 Lux/Sens-up 512x	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
High Light Compensation	ON/OFF/AUTO CLIP: 0~255 / SCALE: 0~15	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	0~200 Levels adjustable	
Auto White Balance	ATW / AWB / 3200K / 6300K / ANTI CR / PUSH LOCK / MANUAL	
Sync. Mode	Internal	
Day & Night Mode	Auto/Color/B&W	
OSD Menu	OSD Control (English / Traditional Chinese / Simplified Chinese)	
DNR	3DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH 2DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH	
D-WDR (Extended ATR)	OFF/BLC/WDR	
Digital Slow Shutter	Sens-Up ~512x	
Digital Image Stabilization	Yes	
Digital Zoom	Yes	
Mirror	Normal / Vertical / Mirror / Rotate	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable, Mosaic	
Power Source	12VDC / 24VAC	
Power Consumption	12VDC: 2.4W / 24VAC: 2.4W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	440g/0.97lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-612 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

ED610e

700 TVL, D-WDR & 3-Axis
Gimbal Mechanism Indoor Dome Camera

NEW



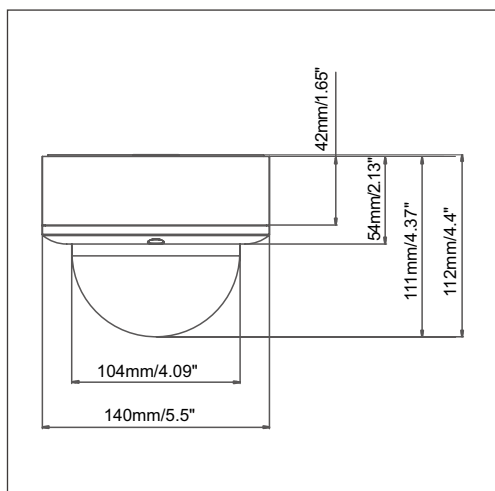
Features

- 700 TVL superior image quality by SONY 1/3" EXview HAD CCD II 960H sensor
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology fit backlight conditions
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC), Back Light Compensation (BLC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis mechanical design fits flexible view perspective requirements

Specifications

Pickup Device	1/3" SONY EXview HAD CCD II (960H)	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508 (V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2	
S/N Ratio	Over 52dB (AGC off)	
Electronic Shutter	1/60 (1/50) ~ 1/100,000sec.	
Video Output	BNC 1.0V p-p, 75Ω	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC Iris Lens 2.8~10mm / F1.2	
Back Light Compensation	HLC/BLC/Off	
Auto Gain Control	Yes	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Sync. Mode	Internal	
Day & Night Mode	Auto/Color/B&W	
OSD menu	Yes(English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)	
DNR	On/Off	
D-WDR(ATR)	On/Off	
Mirror	On/Off	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable	
Power Source	12VDC/24VAC Dual Voltage	
Power Consumption	12VDC: 1.5W / 24VAC: 2.5W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	460g/1.01lbs	
Certificates	CE, FCC	

Dimensions

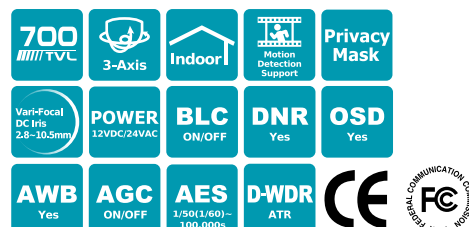


Accessories Option: Wall Bracket: BA-612; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fillings: BA-614;
Connection Box for Adapter: BA-615

EXD300e

700 TVL, 3-Axis High Resolution Compact Indoor Dome Camera

NEW



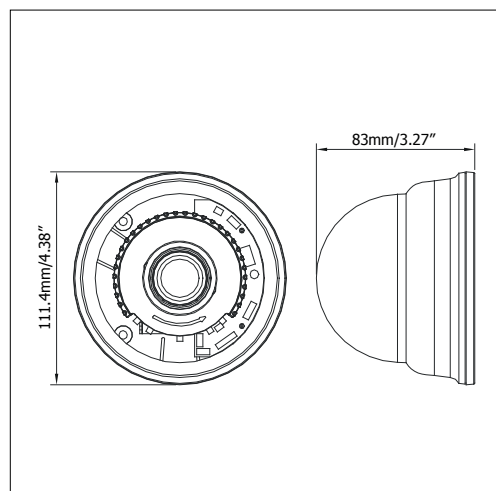
Features

- 3-Axis camera with SONY 1/3" EXview HAD CCD II 960H sensor, 700 TVL resolution
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10.5mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- D-WDR functions by SONY ATR technology
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions

Specifications

Pickup Device	1/3" SONY EXview HAD CCD II (960H)
Video Format	NTSC / PAL (depends on model selected)
Picture Elements	976 x 494 (NTSC), 976 x 582 (PAL)
Horizontal Resolution	700 TVL
Sensitivity	0.03 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal DC Iris Lens 2.8~10.5mm
Back Light Compensation	On/Off
Auto Gain Control	Yes
White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
Sync. Mode	Internal Sync.
Day & Night	Yes
OSD menu	Yes (English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)
DNR	On/Off
D-WDR(ATR)	On/Off
Mirror	On/Off
Motion Detection	On/Off for 24x16 Detection Blocks
Privacy Mask	On/Off for 8 Areas (Size Adjustable)
Power Source	12VDC
Power Consumption	12VDC: 120mA/1.5W max
Humidity	20%~80% non-condensing
Operating Temperature	-10°C~40°C; 14°F~104°F
Dimensions	111.4 x 83mm/4.38" x 3.27"
Weight	440g/0.9lbs
Certificates	CE, FCC

Dimensions



ED610x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism
Indoor Dome Camera

NEW



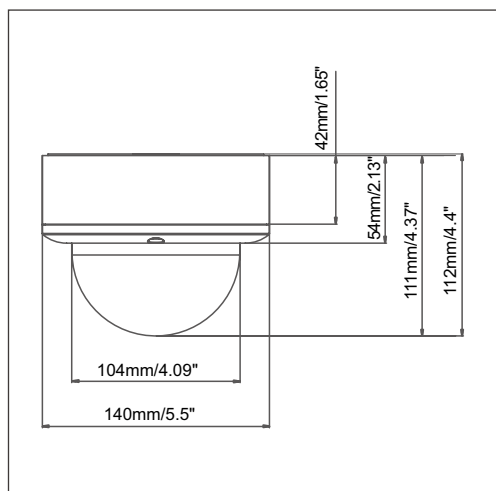
Features

- 600 TVL High Resolution CCD sensor
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- Built-in DNR, D-WDR & Easy Day/Night functions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements

Specifications

Pickup Device	1/3" High Sensitivity Color CCD	
Video Format	NTSC	PAL
Picture Elements	811(H) x 507(V)	795(H) x 595(V)
Horizontal Resolution	600 TVL	
Sensitivity	0.15 Lux/F=1.2	
S/N Ratio	Over 48dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (3 Steps)	
Auto White Balance	ATW1 / ATW2 / AWC / Manual	
Sync. Mode	Internal	
OSD Menu	OSD Control (English / Simplified Chinese)	
DNR	On/Off switch	
D-WDR	On/Off switch	
Mirror	On/Off Switch	
Motion Detection	4 Detection Zones	
Privacy Mask	8 Zones	
Power Source	12VDC	
Power Consumption	12VDC: 1W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (O.D.xH)	140 x 112mm / 5.5" x 4.4"	
Weight	410g/0.9lbs	
Certificates	CE, FCC	

Dimensions



Accessories Option: Wall Bracket: BA-612 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

ED350

560 TVL, Indoor Mini Color Dome Camera



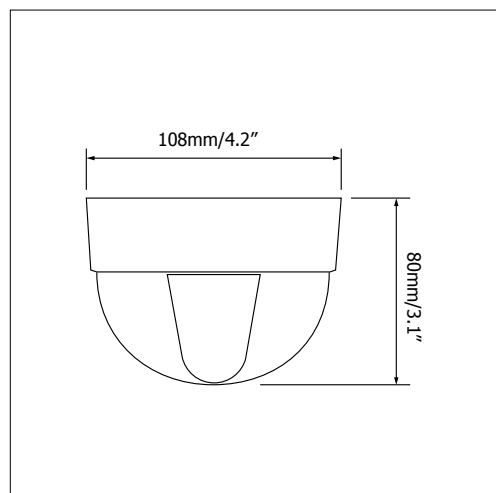
Features

- Low light sensitivity 0.5 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor(DSP) delivers sharp color images and excellent picture quality
- Wide-range automatic electronic shutter: up to 1/100,000sec.
- Manual zoom lens with adjustable viewing range
- Pure Vision Technology

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f=2.9~10mm, F=1.2 f=3.8~9.5mm, F=1.2 f=9~22mm, F=1.6 *Lens models and availability vary in different regions
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	2 Video outputs BNC 1.0Vp-p, 75Ω Additional testing video output 1.0Vp-p, 75Ω
Sync. Mode	Internal sync.
Power Source	12VDC/24VAC
Power Consumption	24VAC: 5VA max./12VDC: 3.5W max.
Operating Temperature	0°C~40°C / 32°F~104°F (20%~80% Humidity)
Dimensions (Φ x H)	108 x 80mm/4.3" x 3.2"
Weight	0.3kg/0.7lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

ED300E

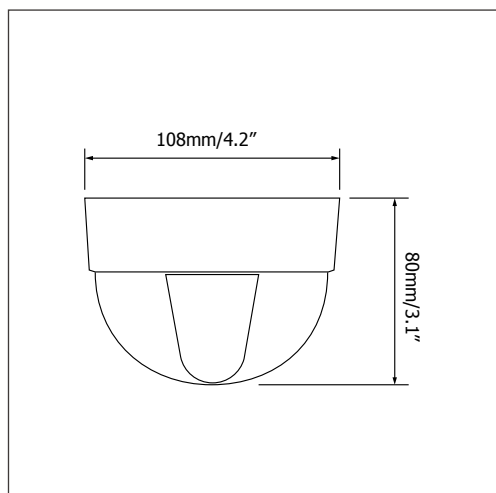
520 TVL, Indoor Mini Color Dome Camera



Features

- Low light sensitivity 0.4 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- Designed with advanced digital signal processing circuitry for high image quality
- Built-in Vari-Focal lens or fixed lens
- Able to adjust the viewing range with manual zoom lens (for Vari-Focal lens only)
- With manual pan/tilt mechanism
- Day/Night function (for Vari-Focal lens only)
- Compact size: 108mm (O.D.) x 80mm (H)/ 4.3" (O.D.) x 3.2" (H)
- System available for NTSC or PAL
- BLC, AGC and FL On/Off switchable (for Vari-Focal lens only)

Dimensions



Specifications

Pickup Device	1/3" SONY Super HAD CCD	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.	
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Sensitivity	0.4 Lux/F=1.2	
S/N Ratio	Over 48dB (AGC off)	
Electronic Shutter	1/50 (1/60)~1/100,000sec.	
Video Output	BNC1.0Vp-p, 75Ω	
Gamma Corvection	0.45	
Lens Type	Fixed Lens, f=3.6mm/f=4.3mm/ f=6mm/f=8mm *Lens models and availability vary in different regions	Vari-Focal lens, Auto Iris/f=2.6~6mm/ f=3.7~12mm/f=9~22mm *Lens models and availability vary in different regions
Back Light Comp.	Yes	
Auto Gain Control	Auto	On/Off switch
Auto White Balance	Yes	
Sync. Mode	Internal Sync.	
Day/Night	Auto	On/Off switch
Flickerless	No	On/Off switch
H-Mirror	No	On/Off switch
Iris Level	Auto	Adjustable
Power Source	2 types: 12VDC only & 12VDC/24VAC	
Power Consumption	12VDC: 2.5W max.; 24VAC: 4.5VA max.	
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% Humidity)	
Dimensions (Φ x H)	108 x 80mm/4.3" x 3.2"	
Weight	0.3kg/0.7lbs	
Certificates	CE, FCC	

ED200E

380 TVL, Indoor Mini Color Dome Camera



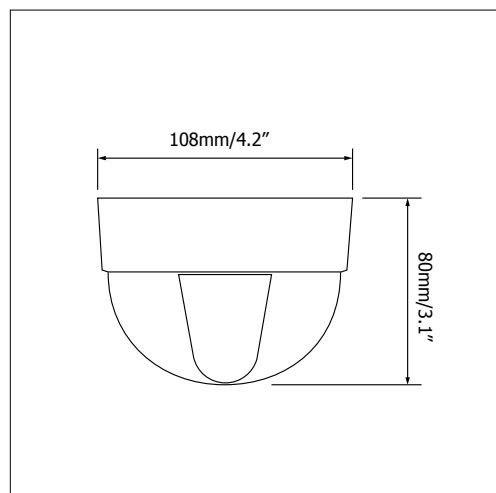
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- Designed with advanced digital signal processing circuitry for high image quality
- Built-in fixed lens type, mechanical Auto Iris lens
- Able to adjust the viewing range with manual zoom lens (for Vari-Focal lens only)
- Back Light Comp(BLC), Auto Gain Control(AGC) and Auto White Balance(AWB) functions
- Compact size: 108mm (O.D.) x 80mm (H)/ 4.3" (O.D.) x 3.2" (H)
- System available for NTSC or PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	f=2.5mm/f=3.6mm/f=4.3mm/ f=6mm/f=8mm/f=12mm/f=16mm *Lens models and availability vary in different regions
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Sync. Mode	Internal Sync.
Power Source	12VDC
Power Consumption	12VDC: 1.5W max
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% Humidity)
Dimensions (Φ x H)	108 x 80mm/4.3" x 3.2"
Weight	0.3kg/0.7lbs
Certificates	CE, FCC

Dimensions

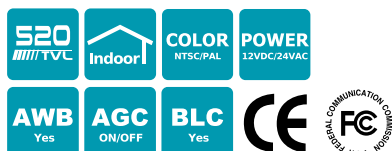


* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EFD300E

520 TVL, Indoor Mini Color Flush Dome Camera



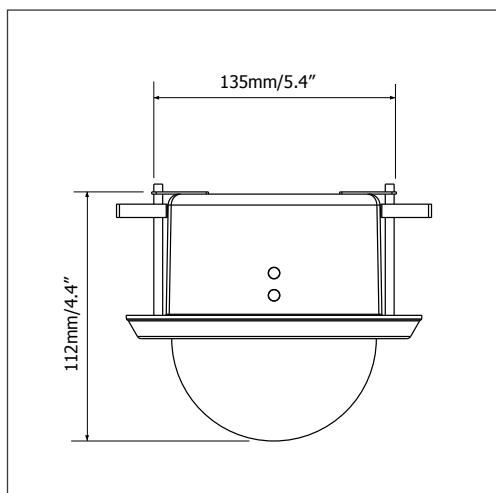
Features

- Low light sensitivity 0.4 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- The electronic shutter and AGC allow the camera to be used in environment with varying light levels
- Built-in Vari-Focal lens
- FL, BNC, AGC and D/N On/Off switchable
- Compact size: 135mm (O.D.) x 112mm (H)
- System available for NTSC or PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	2 Video Output BNC 1.0Vp-p, 75Ω Additional testing video output 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal lens, Auto Iris f=3.7~12mm, F=1.2mm
Back Light Comp.	Auto
Auto Gain Control	On/Off switch
White Balance	Yes
Sync. Mode	Internal sync
Day & Night Mode	On/Off switch
Flickerless	On/Off switch
H-Mirror	On/Off switch
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	12VDC: 2W max/24VAC: 1.5W max
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% Humidity)
Dimensions (Φ x H)	135 x 112mm/5.4" x 4.4"
Weight	0.7kg/1.6lbs
Certificates	CE, FCC

Dimensions



ECD230

380 TVL, Micro Mini Indoor Color Dome Camera



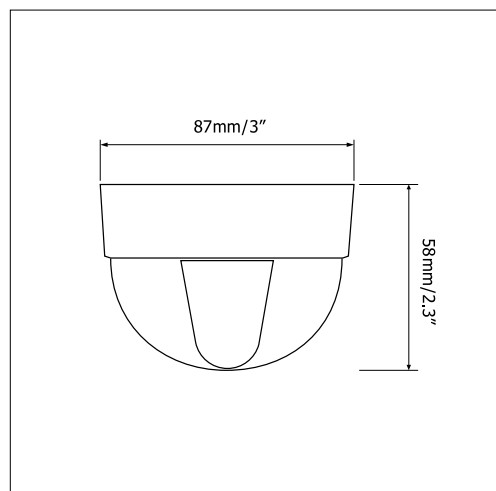
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- Auto Gain Control(AGC)
- Built-in anti-aliasing and IR-cut optical filter
- Compact size: 87mm (O.D) x 58mm (H)/3.48" (O.D) x 2.31" (H)
- System available for NTSC or PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Lens Type	f=3.6mm/f=4.3mm/f=6.0mm/f=8.0mm *Lens models and availability vary in different regions
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal sync.
Power Source	12VDC
Power Consumption	12VDC: 1.5W max
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% Humidity)
Dimensions (O.D. x H)	87 x 58mm/3.48" x 2.3"
Weight	0.1kg/0.22lbs
Certificates	CE, FCC

Dimensions



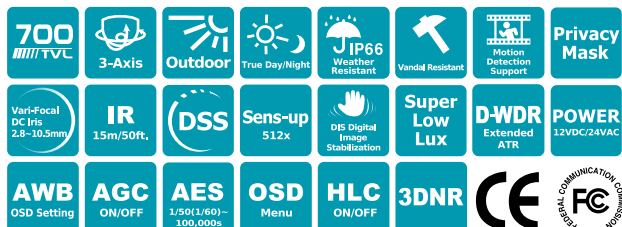
* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EHD630s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Vandal Proof & Weather Resistant Outdoor IR Dome Camera

NEW

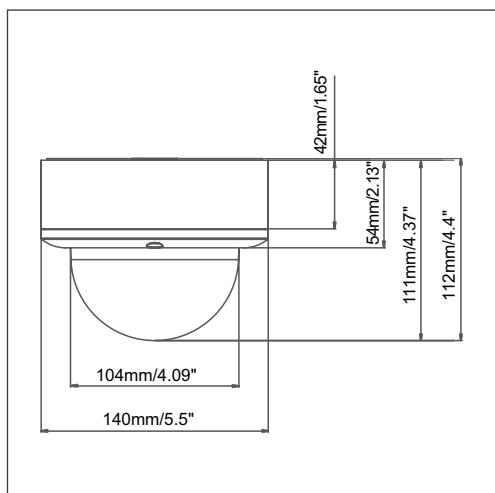


POLESTAR III

Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- The starlight super-high sensitivity of 0.00006 Lux/F=1.2 is achieved by Digital Slow Shutter (Sens-Up 512x)
- SONY Effio-S platform to perform advanced camera functions and excellent picture quality
- Vari-Focal DC Iris Lens 2.8~10mm
- True Day/Night with ICR module
- Support 3D & 2D Noise Reduction
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- 30 IR LEDs reach up to 15m/~50ft. range
- Easy to use OSD Setup Menu
- D-WDR functions by SONY Extended ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), High Light Compensation (HLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Digital Image Stabilization
- Digital Zoom
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Dimensions



Specifications

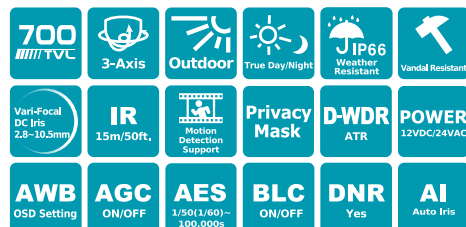
Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508(V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0.00006 Lux/Sens-up 512x; 0 Lux (IR LED On)	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
High Light Compensation	ON/OFF/AUTO CLIP: 0~255 / SCALE: 0~15	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	0~200 Levels adjustable	
Auto White Balance	ATW / AWB / 3200K / 6300K / ANTI CR / PUSH LOCK / MANUAL	
Sync. Mode	Internal	
Day & Night Mode	External/Auto/Color/B&W	
IR LED	30 units IR LED	
IR Configuration	IR On < 2Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
OSD Menu	OSD Control (English / Traditional Chinese / Simplified Chinese)	
DNR	3DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH 2DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH	
D-WDR (Extended ATR)	OFF/BLC/WDR	
Digital Slow Shutter	Sens-Up ~512x	
Digital Image Stabilization	Yes	
Digital Zoom	Yes	
Mirror	Normal / Vertical / Mirror / Rotate	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable, Mosaic	
Power Source	12VDC/24VAC	
Power Consumption	IR Off: 12VDC: 2.5W / 24VAC: 4W IR On: 12VDC: 6W / 24VAC: 7.5W	
Weather Resistant	IP66 rated	
Vandal Proof	650Kgf Max Breaking Strength	
Operating Temperature	-10°C~50°C / 14°F~122°F Option: Heater for -40°C / -40°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	1,000g/2.2lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-611 ; Ceiling Bracket: BA-613 ; Thread Metal Flexible Conduit Fittings: BA-614; Connection Box for Adapter: BA-615

EHD630e

700 TVL, D-WDR, 3-Axis Gimbal Mechanism, Vandal Proof & Weather Resistant Outdoor IR Dome Camera

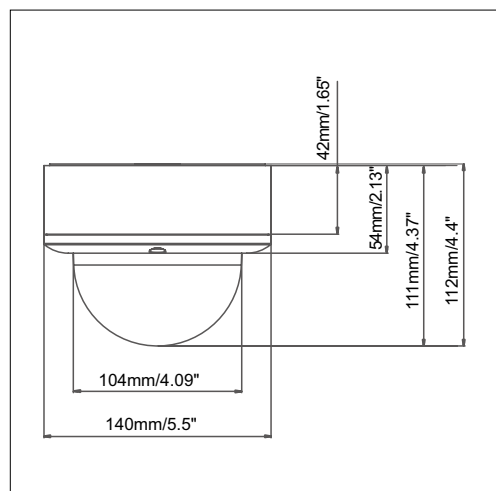
NEW



Features

- 700 TVL superior image quality by SONY 1/3" EXview HAD CCD II 960H sensor
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10mm with ICR
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- True Day/Night with ICR module and 30 IR LEDs reach up to 15m/~50ft. range
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology fit backlight conditions
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC), Back Light Compensation (BLC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis mechanical design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Dimensions



Specifications

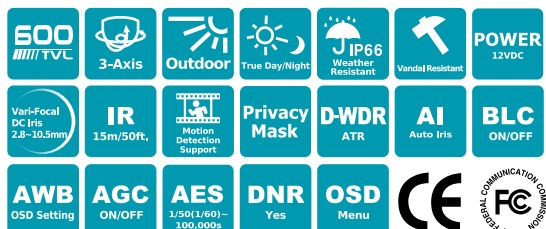
Pickup Device	1/3" SONY EXview HAD CCD II (960H)	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508(V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0 Lux (IR LED On)	
S/N Ratio	Over 52dB (AGC off)	
Electronic Shutter	1/60 (1/50) ~ 1/100,000sec.	
Video Output	BNC 1.0V p-p, 75Ω	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC Iris Lens 2.8~10mm / F1.2 with ICR	
Back Light Compensation	HLC/BLC/Off	
Auto Gain Control	Yes	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Sync. Mode	Internal	
OSD menu	Yes(English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)	
DNR	On/Off	
D-WDR(ATR)	On/Off	
Mirror	On/Off	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable	
IR LED	30 Units IR LED	
IR Configuration	IR On < 2 Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
Power Source	12VDC/24VAC Dual Voltage	
Power Consumption	IR off: 12VDC: 2.5W / 24VAC:4W IR On: 12VDC: 6W / 24VAC:7.5W	
Weather Resistant	IP66 rated	
Vandal Proof	650Kgf Max Breaking Strength	
Operating Temperature	-10°C~50°C / 14°F~122°F Option: Heater for -40°C/-40°F	
Dimensions (O.D.x H)	140 x 112mm/5.5" x 4.4"	
Weight	1,000g/2.2lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-611; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fillings: BA-614;
Connection Box for Adapter: BA-615

EHD630x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism
Vandal Proof & Weather Resistant
Outdoor IR Dome Camera

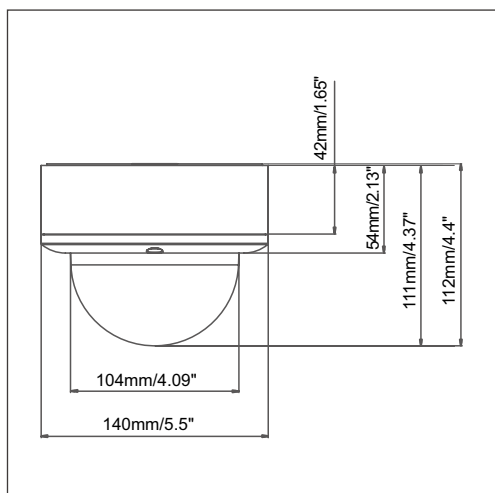
NEW



Features

- 600 TVL High Resolution CCD sensor
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- 30 IR LEDs reach up to 15m/~50ft. range
- True Day/Night with ICR module
- Easy to use OSD Setup Menu
- Built-in DNR, D-WDR functions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto white Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Dimensions



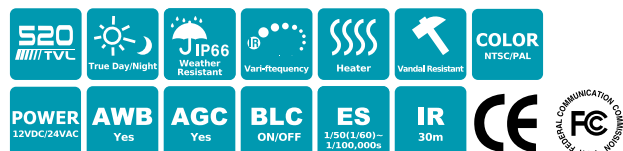
Specifications

Pickup Device	1/3" High Sensitivity Color CCD	
Video Format	NTSC	PAL
Picture Elements	811(H) x 507(V)	795(H) x 595(V)
Horizontal Resolution	600 TVL	
Sensitivity	0.15 Lux/F=1.2; 0 Lux (IR LED On)	
S/N Ratio	Over 48dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω, BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (3 Steps)	
Auto White Balance	ATW1 / ATW2 / AWC / Manual	
Sync. Mode	Internal	
IR LED	30 units IR LED	
IR Configuration	IR On < 2 Lux; IR Off > 5 Lux	
IR Wavelength	850nm	
IR Range	15m/50ft.	
OSD Menu	OSD Control (English / Simplified Chinese)	
DNR	On/Off switch	
D-WDR	On/Off switch	
Mirror	On/Off Switch	
Motion Detection	4 Detection Zones	
Privacy Mask	8 Zones	
Power Source	12VDC	
Power Consumption	12VDC: 1W(IR Off) 4.5W(IR On)	
Weather Resistant	IP66 rated	
Vandal Proof	650Kgf Max Breaking Strength	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Temperature	Option: Heater for -40°C / -40°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	960g/2.12lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-611 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

EBD430

520 TVL, 1/3" CCD, 3-Axis, True Day/Night
Outdoor IR Dome Camera



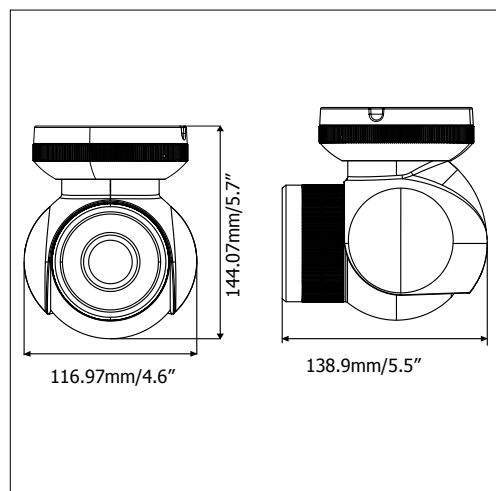
Features

- Low light sensitivity 0.08 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD II
- 520 TVL of excellent high resolution technology
- Up to 30m/98ft. or IR range
- Vari-Focal lens
- True Day/Night function with removable IR cut filter
- External control of lens zoom & focus
- 3-Axis rotation for flexible view angle
- Intelligent Vari-frequency of IR control to save electricity and make brightness balance
- Split glass design to avoid LED light reflection
- Vandal resistant
- Weatherproof and IP66 rate

Specifications

Pickup Device	1/3" SONY Super HAD CCD II
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0.08 Lux/F=1.2 (IR OFF); 0 Lux (IR ON)
S/N Ratio	Over 48 dB (AGC Off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vair-focal lens, f=2.9~10mm , f=9~22mm
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Sync. Mode	Internal sync.
True Day & Night	Yes
IR LED Lifespan	35 pcs
IR Distance	30m/98ft.
IR Wavelength	850nm
Weatherproof	IP66
Vandal Resistant	Yes
Heater	Yes, built-in
Power Source	12VDC/24VAC
Power Consumption	12VDC:9W max. (Heater On & IR LED On) 24VAC:9.5W max. (Heater On & IR LED On)
Operating Temperature	-40°C~50°C; -40°F~122°F (20%~80% humidity)
Dimensions (W x D x H)	116.97 x 138.9 x 144.07mm/4.6" x 5.5" x 5.7"
Weight	1.3kg/2.54lbs
Certificates	CE, FCC

Dimensions



EHD360

540 TVL, 3-Axis, Vandal Proof & Weather Resistant IR Dome Camera



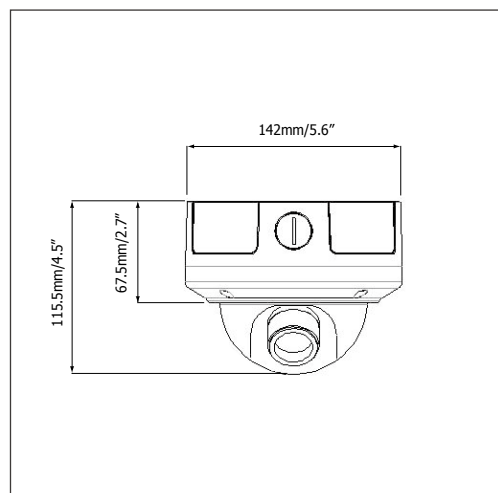
Features

- Color dome camera with SONY 1/3" Super HAD CCD sensor
- High resolution 540 TVL
- 3-Axis design for flexible lens positioning
- High sensitivity, low smear, high anti-blooming and high S/N ratio
- Built-in Auto Gain Control (AGC), Auto Tracing White Balance (ATW)
- Built-in 3.7~12mm vari-focal DC-drive Auto Iris lens.
- 25m (~80ft.) range IR-LEDs
- True Day/Night auto switching with IR filter removal for B/W images in low light environments
- Vandal proof to withstand impact of a 10 pound sledgehammer
- Weather resistant, IP66 rated

Specifications

Pickup Device	1/3" SONY Super HAD CCD sensor
Video Format	NTSC or PAL (depends on model selected)
Picture Elements	768 x 494 (NTSC), 752 x 582 (PAL)
Horizontal Resolution	540 TVL
Sensitivity	0.12 Lux / F1.6; 0 Lux (IR LED ON)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/60(1/50)s~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal 3.7~12mm / F1.4 DC Drive Auto Iris Lens
Day/Night	True Day/Night with motorized IR cut filter
Gain Control	Automatic
White Balance	ATW (2500°K~9500°K)
Sync. Mode	Internal Sync.
IR LED	11 Units High Efficiency IR LED
IR Wavelength	850nm
IR Distance	25m (~80ft.) nominal; depends on environment
Weather Resistant	IP 66
Vandal Proof	Yes
Power Source	12VDC
Power Consumption	12VDC: 3.4W max.
Operating Temperature	-10°C~50°C / 14°F~122°F
Dimensions (O.D. x H)	142 x 115.5mm/5.6" x 4.55"
Weight	979g/2.16lbs
Certificates	CE, FCC

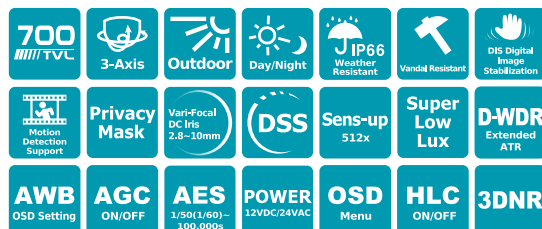
Dimensions



EHD610s

700 TVL, Super Low Light, D-WDR & 3-Axis Gimbal Mechanism Vandal Proof & Weather Resistant Outdoor Dome Camera

NEW

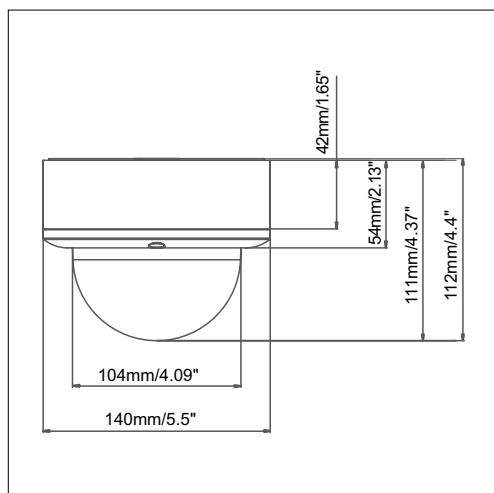


POLESTAR III

Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- The starlight Super-high sensitivity of 0.00006 Lux/F=1.2 is achieved by Digital Slow Shutter (Sens-Up 512x)
- SONY Effio-S platform to perform advanced camera functions and excellent picture quality
- Vari-Focal DC Iris Lens 2.8~10mm
- Support 3D & 2D Noise Reduction
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY Extended ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), High Light Compensation (HLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Digital Image Stabilization
- Digital Zoom
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Dimensions



Specifications

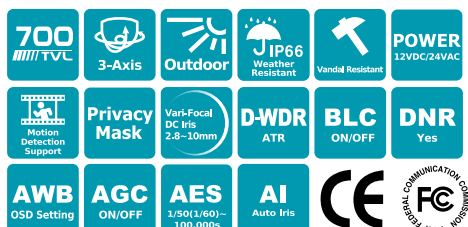
Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508 (V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0.00006 Lux/Sens-up 512x	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
High Light Compensation	ON/OFF/AUTO	
Auto Electronic Shutter	CLIP: 0~255 / SCALE: 0~15	
Auto Gain Control	1/60(50) ~1/100,000sec.	
Auto White Balance	0~200 Levels adjustable	
Sync. Mode	ATW / AWB / 3200K / 6300K / ANTI CR / PUSH LOCK / MANUAL	
OSD Menu	Internal	
DNR	OSD Control (English / Traditional Chinese / Simplified Chinese)	
D-WDR (Extended ATR)	3DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH	
Digital Slow Shutter	2DNR: OFF / ON / MIDLOW / MID / MIDHIGH / HIGH	
Digital Image Stabilization	OFF/BLC/WDR	
Digital Zoom	Sens-Up ~512x	
Mirror	Yes	
Motion Detection	Normal / Vertical / Mirror / Rotate	
Privacy Mask	On/Off for 24x16 Detection Zone Blocks	
Power Source	On/Off for 8 Zones Programmable, Mosaic	
Power Consumption	12VDC/24VAC	
Weather Resistant	12VDC: 2.4W / 24VAC: 2.4W	
Vandal Proof	IP66 rated	
Operating Temperature	650Kgf Max Breaking Strength	
Dimensions (O.D.xH)	-10°C~50°C / 14°F~122°F	
Weight	Option: Heater for -40°C / -40°F	
Certificates	140 x 112mm/5.5" x 4.4"	
	960g/2.12lbs	
	CE, FCC	

Accessories Option: Wall Bracket: BA-611 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

EHD610e

700 TVL, D-WDR, 3-Axis Gimbal Mechanism, Vandal Proof & Weather Resistant Outdoor Dome Camera

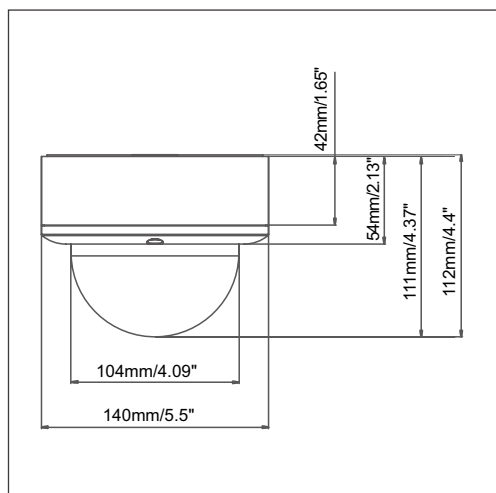
NEW



Features

- 700 TVL superior image quality by SONY 1/3" EXview HAD CCD II 960H sensor
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology fit backlight conditions
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC), Back Light Compensation (BLC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis mechanical design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Dimensions



Specifications

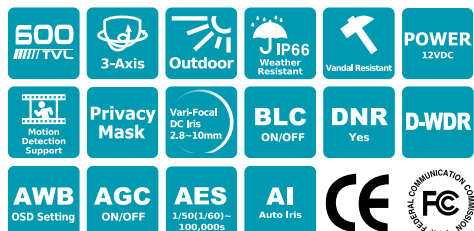
Pickup Device	1/3" SONY EXview HAD CCD II (960H)	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508 (V)	1020(H) x 596 (V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2	
S/N Ratio	Over 52dB (AGC off)	
Electronic Shutter	1/60 (1/50) ~ 1/100,000sec.	
Video Output	BNC 1.0V p-p, 75Ω	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC Iris Lens 2.8~10mm / F1.2	
Back Light Compensation	HLC/BLC/Off	
Auto Gain Control	Yes	
White Balance	ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Sync. Mode	Internal	
Day & Night Mode	Auto/Color/B&W	
OSD menu	Yes(English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)	
DNR	On/Off	
D-WDR(ATR)	On/Off	
Mirror	On/Off	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable	
Power Source	12VDC/24VAC Dual Voltage	
Power Consumption	12VDC: 1.5W / 24VAC: 2.5W	
Weather Resistant	IP66 rated	
Vandal Proof	650Kgf Max Breaking Strength	
Operating Temperature	-10°C~50°C / 14°F~122°F Option: Heater for -40°C/-40°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	960g/2.12lbs	
Certificates	CE, FCC	

Accessories Option: Wall Bracket: BA-611; Ceiling Bracket: BA-613;
 Thread Metal Flexible Conduit Fillings: BA-614;
 Connection Box for Adapter: BA-615

EHD610x

600 TVL, D-WDR & 3-Axis Gimbal Mechanism,
Vandal Proof & Weather Resistant
Outdoor Dome Camera

NEW



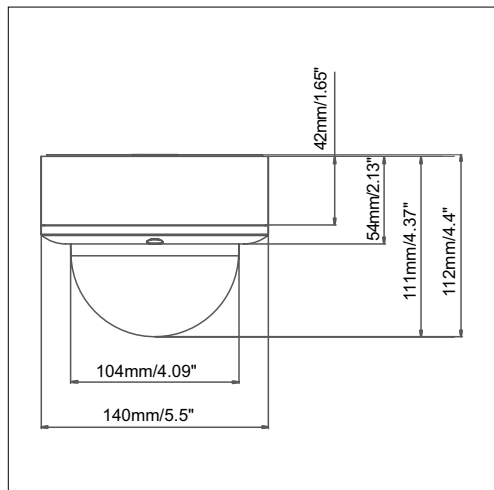
Features

- 600 TVL High Resolution CCD sensor
- Vari-Focal DC Iris Lens 2.8~10mm
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- Built-in DNR, D-WDR & Easy Day/Night functions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- 3-Axis Gimbal Mechanism design fits flexible view perspective requirements
- Weather Resistant IP66, Vandal Proof for outdoor usage

Specifications

Pickup Device	1/3" High Sensitivity Color CCD	
Video Format	NTSC	PAL
Picture Elements	811(H) x 507(V)	795(H) x 595(V)
Horizontal Resolution	600 TVL	
Sensitivity	0.15 Lux/F=1.2	
S/N Ratio	Over 48dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	Vari-Focal DC IRIS Lens 2.8~10mm/F1.2	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (3 Steps)	
Auto White Balance	ATW1 / ATW2 / AWC / Manual	
Sync. Mode	Internal	
OSD Menu	OSD Control (English / Simplified Chinese)	
DNR	On/Off switch	
D-WDR	On/Off switch	
Mirror	On/Off Switch	
Motion Detection	4 Detection Zones	
Privacy Mask	8 Zones	
Power Source	12VDC	
Power Consumption	12VDC: 1W	
Weather Resistant	IP66 rated	
Vandal Proof	650Kgf Max Breaking Strength	
Operating Temperature	-10°C~50°C / 14°F~122°F Option: Heater for -40°C / -40°F	
Dimensions (O.D.xH)	140 x 112mm/5.5" x 4.4"	
Weight	940g/2.07lbs	
Certificates	CE, FCC	

Dimensions



Accessories Option: Wall Bracket: BA-611 ; Ceiling Bracket: BA-613;
Thread Metal Flexible Conduit Fittings: BA-614;
Connection Box for Adapter: BA-615

ED610

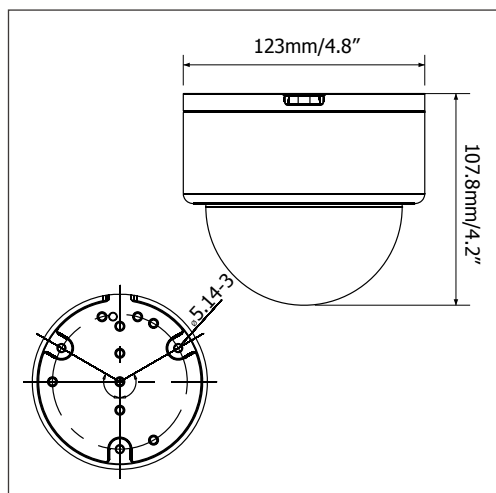
560 TVL, 1/3" CCD, WDR & True Day/Night
Outdoor Vandal Dome Camera



Features

- Low light sensitivity 0.05 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD II
- 560 TVL of horizontal resolution
- Advanced Digital Signal Processor (DSP) delivers excellent picture quality and performance
- True Day/Night function with ICR module
- Support 3D-Noise Reduce for noise reduction while increasing disk storage capacity
- The starlight Super-high sensitivity of 0.0002 Lux/F=1.2 is achieved by setting SENS-UP Shutter 256x
- OSD setting menu
- 3-Axis rotation
- Support motion detection function for 4 zones
- Support privacy mask function for 8 zones
- Support Digital Wide Dynamic Range expansion
- Support Digital-Zoom
- Support line lock external synchronization
- Vandal resistant
- Weatherproof IP66 rated

Dimensions



Specifications

Pickup Device	1/3" SONY Super HAD CCD II
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.05 Lux/F=1.2 (AGC ON); 0.0002 Lux/F=1.2 (Sens-up 256x)
S/N Ratio	Over 52dB (Auto off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	2 Video Outputs 1. BNC 1.0 Vp-p, 75Ω 2. Additional testing video output 1.0 Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal lens, Auto Iris, 2.8-10mm, 9-22mm
Back Light Comp.	BLC, OFF, HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal / Line lock external sync.
Day & Night	Yes, (Auto, Color, B/W, EXT)
OSD menu	Yes
3DNR	On/Off switch
D-WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up~256x
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	On/Off switch
Motion Detection	On/Off for 4 Zones
Privacy Mask	On/Off for 8 Zones
Weatherproof	IP66
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	12VDC: 3W max./24VAC: 3W max.
Operating Temperature	-10°C~50°C / 14°F~122°F (20%~80% humidity)
Dimensions (Φ x H)	123 x 107.8mm/4.8" x 4.2"
Weight	0.74kg/1.6lbs
Certificates	CE, FCC

ED360

540 TVL, Vari-Focal Vandal Proof & Weather Resistant Color Dome Camera



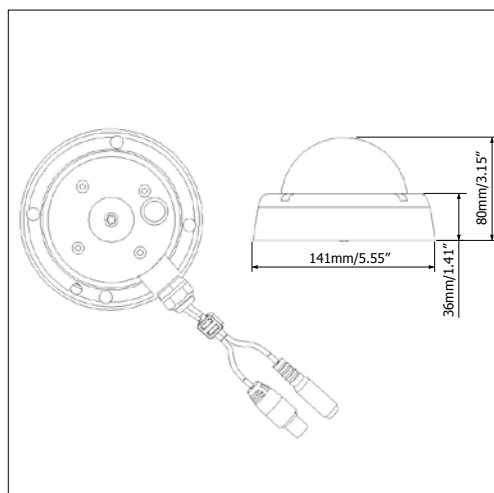
Features

- Color dome camera with SONY 1/3" Super HAD CCD sensor
- High resolution 540 TVL
- Employs Digital Signal Processor (DSP) chip-set for image control
- High sensitivity, low smear, high anti-blooming and high S/N ratio
- Built-in Auto Gain Control (AGC), Auto White Balance (AWB)
- Built-in 3.5~8.5mm vari-focal DC-drive Auto Iris lens
- Vandal Proof to withstand impact of a 10 pound sledgehammer
- Weather Resistant IP66 rated

Specifications

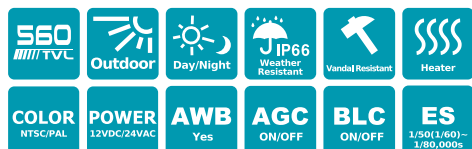
Pickup Device	1/3" SONY Super HAD CCD sensor
Video Format	NTSC or PAL (depends on model selected)
Picture Elements	768 x 494 (NTSC), 752 x 582 (PAL)
Horizontal Resolution	540 TVL
Sensitivity	0.12 Lux / F1.6
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/60(1/50)s~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal 3.5~8.5mm / F1.6 DC Drive Auto Iris Lens
Gain Control	Automatic
White Balance	AWB (2500°K~9500°K)
Sync. Mode	Internal Sync.
Weather Resistant	IP 66
Vandal Proof	Yes
Power Source	12VDC
Power Consumption	12VDC: 2.4W max.
Operating Temperature	-10°C~50°C / 14°F~122°F
Dimensions (O.D. x H)	142 x 84mm/5.6" x 3.3"
Weight	576g/1.27lbs
Certificates	CE, FCC

Dimensions



EHD525EX

560 TVL, 1/3" SONY EXview CCD, True Day/Night
Vandal Color Dome Camera



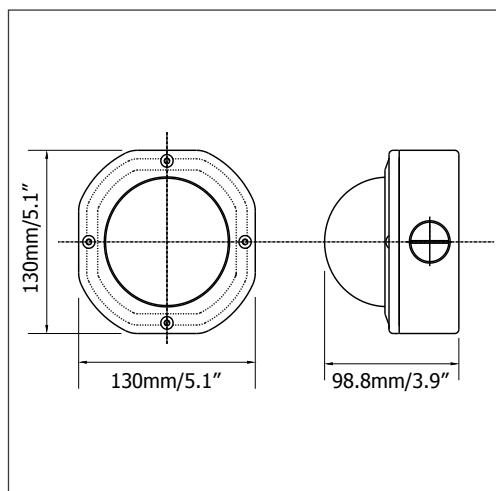
Features

- Low light sensitivity 0.1 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY EXview CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Designed with polycarbonate shell to withstand the impact of a 10lbs sledgehammer
- Aluminum base with smoke color shell
- Day/Night with IR cut removable module
- Dual voltage: 24VAC or 12VDC

Specifications

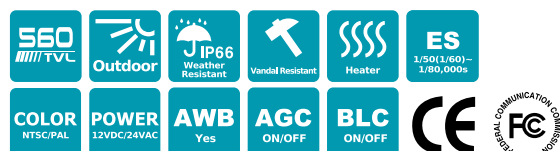
Pickup Device	1/3" SONY EXview CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	560 TVL
Sensitivity	0.1 Lux/F=1.2
S/N Ratio	Over 50dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f=2.9~10mm, F=1.2/f=3.6~9mm/f=9~22mm, F=1.6 *Lens models and availability vary in different regions
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock / Internal Sync.
Weatherproof	IP66
Vandal Resistant	Yes
Heater	Yes, built-in
Power Source	12VDC/24VAC
Power Consumption	12VDC: 11.5W max. (Heater ON) 12VDC: 4W max. (Heater OFF) 24VDC: 6VA max. (Heater OFF) 24VDC: 20.5VA max. (Heater ON)
Operating Temperature	-40°C~50°C / -40°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	130 x 98.8 x 130mm/5.1" x 3.9" x 5.1"
Weight	1.7kg/3.7lbs
Certificates	CE, FCC

Dimensions



EHD350HQ

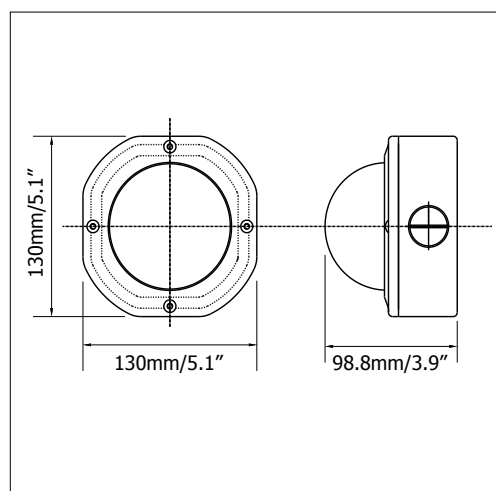
560 TVL, High Resolution, Color Vandal Dome Camera



Features

- Low light sensitivity 0.5 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Designed with polycarbonate shell to withstand the impact of a 10lbs sledgehammer
- Rugged dome is designed with 3-Axis for angle-view flexibility
- Heater triggers when temperature falls below 10°C/50°F
- Built-in micro switch for alarm trigger
- Aluminum base with smoke color shell
- Weatherproof IP66 rated

Dimensions

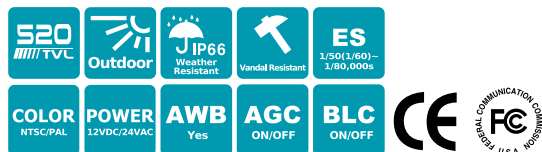


Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	560 TVL
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f = 2.8~10mm/F=1.2/f = 9~22mm, F=1.6 *Lens models and availability vary in different regions
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock / Internal Sync.
Heater	Yes, built-in
Weatherproof	IP66
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	24VAC: 6VA max. (Heater OFF) 24VAC: 20.5VA max. (Heater ON) 12VDC: 3.5W max. (Heater OFF) 12VDC: 11W max. (Heater ON)
Operating Temperature	-40°C~50°C / -40°F~122°F (20%-80% humidity)
Dimensions (W x H x D)	130 x 98.8 x 130mm/5.1" x 3.9" x 5.1"
Weight	1.7kg/3.7lbs
Certificates	CE, FCC

EHD300

520 TVL, Outdoor Color Vandal Dome Camera



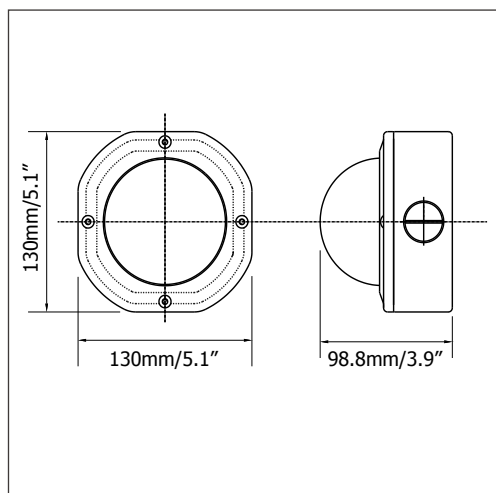
Features

- Low light sensitivity 0.4 Lux/F=1.6 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- The electronic shutter and AGC allow the camera to be used in environment with varying light levels
- 24VAC/12VDC Dual power ready
- Built-in Vari-Focal lens
- BLC, AGC and Flickerless function On/Off switchable
- With manual pan/tilt mechanism
- Rugged Dome for vandal proof
- Rugged Dome designed with 3-axis which provides the best installation for ceiling and wall mounted
- IP66 weatherproof rating

Specifications

Pickup Device	1/3" SONY SUPER HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000sec.
Video Output	BNC 1.0 Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal lens, Auto Iris f = 2.8~10mm, F=1.2/f=3.7~12mm *Lens models and availability vary in different regions
Back Light Comp.	On/Off Switch
Auto Gain Control	On/Off Switch
Auto White Balance	Yes
Sync. Mode	Internal sync.
Flickerless	On/Off Switch
Weatherproof Ratings	IP66
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	12VDC: 2W max. /24VAC: 4VAW max.
Operating Temperature	-10°C~50°C / 14°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	130 x 98.9 x 130mm/5.1" x 3.87" x 5.1"
Weight	0.8kg/1.8lbs
Certificates	CE, FCC

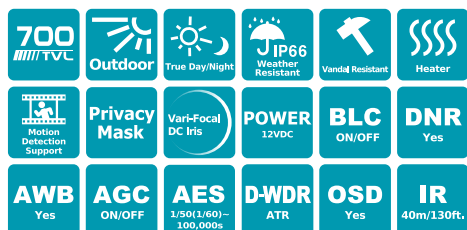
Dimensions



EZ632e

700 TVL, High Resolution Day/Night
Weather Resistant Outdoor IR Bullet Camera

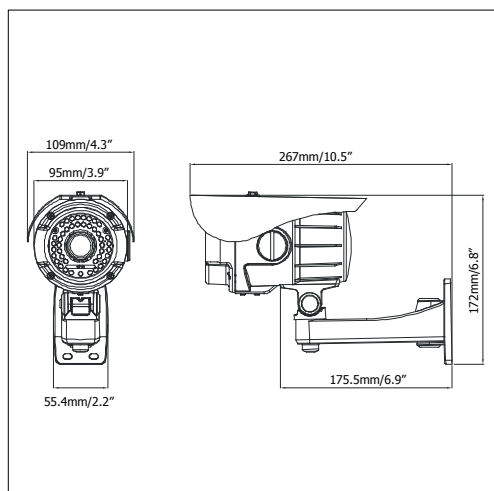
NEW



Features

- True Day/Night camera with SONY 1/3" EXview HAD CCD II 960H sensor, 700 TVL resolution
- SONY Effio-E platform to provide advanced camera functions
- Vari-Focal DC Iris Lens 3.7~12mm or 9~22mm with ICR
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- True Day/Night with ICR module and 42 IR LEDs reach up to 40m (~130ft.) range
- Switchable 10m/20m/40m IR Range for different range of requirements
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology
- Built-in Auto Electronic Shutter (AES), Auto Gain Control (AGC), Back Light Compensation (BLC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions
- Internal wire system with anti-cut bracket
- Auto Blemish compensation up to 32 points
- External manual focus adjustment
- Weather Resistant IP66, Vandal Resistant and built-in heater

Dimensions

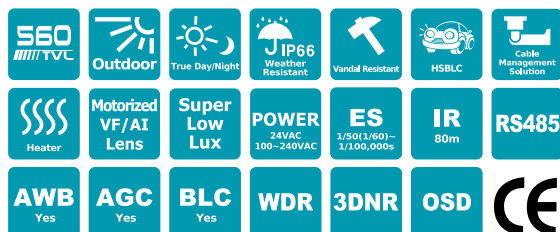


Specifications

Pickup Device	1/3" SONY EXview HAD CCD II (960H)
Video Format	NTSC / PAL (depends on model selected)
Picture Elements	976 x 494 (NTSC), 976 x 582 (PAL)
Horizontal Resolution	700 TVL
Sensitivity	0.03 Lux/F=1.2; 0 Lux (IR LED On)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/60 (1/50) ~ 1/100,000sec.
Video Output	BNC 1.0V p-p, 75Ω
Gamma Correction	0.45
Lens Type	Vari-Focal DC Iris Lens 3.7~12mm / F1.6 with ICR Vari-Focal DC Iris Lens 9~22mm / F1.6 with ICR
Back Light Compensation	On/Off
Auto Gain Control	Yes
White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
Sync. Mode	Internal
Day & Night	True Day/Night with ICR control module
OSD menu	Yes (English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)
DNR	On/Off
D-WDR (ATR)	On/Off
Mirror	On/Off
Motion Detection	On/Off for 24x16 Detection Blocks
Privacy Mask	On/Off for 8 Areas (Size Adjustable)
IR LED	42 Units IR LED
IR Configuration	10m/20m/40m DIP Switchable
IR Wavelength	850nm
IR Range	40m max.
Power Source	12VDC
Power Consumption	12VDC: 24W max. (With Heater Operation)
Weather Proof	IP66 rated
Heater	Yes, built-in
Vandal Resistant	Yes
Operating Temperature	-40°C~50°C; -40°F~122°F (built-in heater)
Dimensions (W x H x D)	109 x 172 x 267mm/4.3" x 6.8" x 10.5"
Weight	1,080g/2.4lbs
Certificates	CE, FCC

EZ650

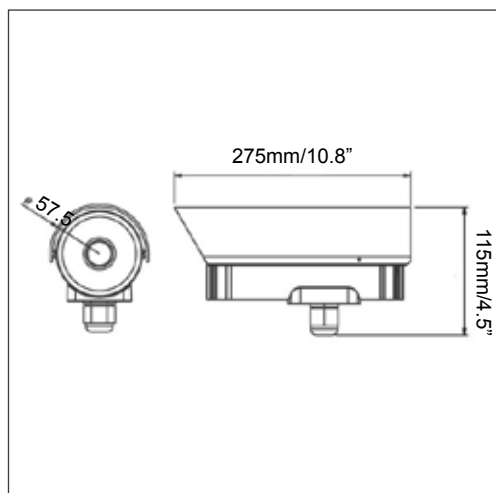
560 TVL, IR Day/Night plus Wide Dynamic Range,
IP66 Bullet Camera



Features

- Super HAD II sensor at 0.05 Lux has 5x better native light sensitivity before DSP low light boost
- Starlight super high sensitivity of 0.0002 Lux/F=1.2 is achieved through a sensitivity increase setting of up to 256x
- Extended IR range of up to 80m with 42 LEDs and variable output IR control
- Split glass to prevent internal IR reflections
- Full motion true Day/Night images even with no ambient light without ghosting
- True Day/Night with ICR module
- Motorized Vari-Focal auto Iris lens – 6-50mm focal range
- Digital Wide Dynamic Range
- Provides 3D-Noise Reduction to improve picture clarity
- Easy to use OSD setup menu with local controls or RS-485 remote control
- Motion detection for 4 configurable zones
- Privacy mask function for 8 configurable zones
- Provides digital zoom up to 32x
- Easy bottom access to video test point and lens/OSD menu controls inside weatherproof cover
- IP66 weather resistant
- Vandal resistant

Dimensions

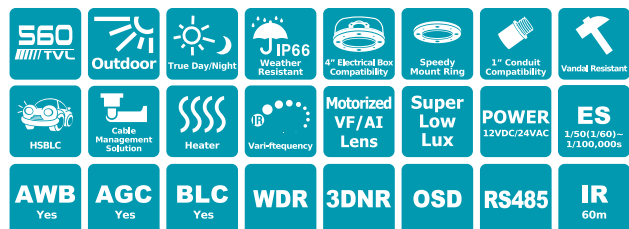


Specifications

Pickup Device	1/3" SONY Super HAD II CCD
Video Format	NTSC/PAL
Picture Elements	768 x 494 (NTSC)/752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.05 Lux/F=1.2(AGC ON); 0.0002 Lux/F=1.2 (Sens-up 256x); 0 Lux IR on
S/N Ratio	Over 52dB (AGC off)
Electronic Shutter	1/60 (1/50)~1/100,000 sec.
Video Output	BNC 1.0V p-p, 75Ω
Gamma Correction	0.45
Lens Type	DC Iris Vari-Focal: 6-50mm focal length
Back Light Compensation	OFF/BLC/HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal / Line lock
Day & Night	Auto/Color/BW/EXT (True Day/Night with ICR control module)
OSD menu	Multiple functions
IR Emitters	42 long life LEDs
IR Configuration	Split glass isolation prevents internal reflections
IR Wavelength	850nm
IR Range	Up to 80m (AGC ON)
IR Output	Intelligent Variable Intensity Illumination/Energy Management
3D-DNR	On/Off switchable
Digital WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up to 256X
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	On/Off selectable up to 32X
Motion Detection	On/Off for 4 selectable zones
Privacy Mask	On/Off for 8 selectable zones
RS-485	Control input for menu / configuration
Power Source	2 types: 24VAC; 100~240VAC
Power Consumption	24VAC: 20W; 100~240VAC: 18W
Weatherproof	IP66 rated
Heater	Yes, built-in
Vandal Resistant	Yes
Operating Temperature	-40°C~-50°C/-40°F~122°F (built-in heater) (20% ~ 80% humidity)
Dimensions (W x D)	275 x 115mm/10.8" x 4.5"
Certificates	CE, FCC

EZ630

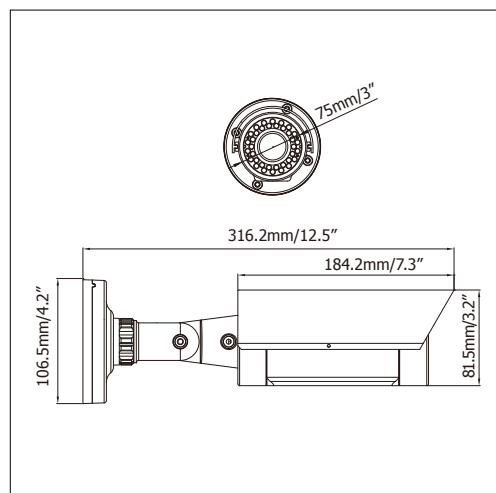
560 TVL, IR Day/Night plus
Wide Dynamic Range, IP66 Bullet Camera



Features

- Super HAD II sensor at 0.05 Lux has 5x better native light sensitivity before DSP low light boost
- Starlight super high sensitivity of 0.0002 Lux/F=1.2 is achieved through a sensitivity increase setting of up to 256x
- Extended IR range of up to 60m/196ft. with 36 LEDs and variable output
- IR control to manage illumination and conserve energy
- Split glass to prevent internal IR reflections
- Full motion True Day/Night images even with no ambient light without ghosting
- True Day/Night with ICR module
- Motorized Vari-Focal Auto Iris lens – choose 2.8-10mm or 9-22mm focal range
- Digital Wide Dynamic Range
- Provides 3D-Noise Reduction to improve picture clarity
- Flexible mounting and positioning; E-Z Lock ring at the base
- Easy to use OSD setup menu with local controls or RS-485 remote control
- Motion detection for 4 configurable zones
- Privacy mask function for 8 configurable zones
- Provides digital zoom up to 32x
- Easy bottom access to video test point and lens/OSD menu controls inside weatherproof cover
- IP66 weather resistant
- Vandal resistant
- Dual voltage (12VDC/24VAC) with line lock to AC supply

Dimensions



Specifications

Pickup Device	1/3" SONY Super HAD CCD II
Video Format	NTSC/PAL
Picture Elements	768 x 494 (NTSC)/752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.05 Lux/F=1.2(AGC ON); 0.0002 Lux/F=1.2(Sens-up 256x); 0 Lux IR on
S/N Ratio	Over 52dB (AGC off)
Electronic Shutter	1/60 (1/50)~1/100,000sec.
Video Output	Main Output BNC 1.0V p-p, 75Ω, Local test output, cable provided
Gamma Correction	0.45
Lens Type	DC Iris Vari-Focal: 2.8-10mm (MVB) or 9-22mm (MV2) focal length
Back Light Compensation	OFF/BLC/HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal/Line lock
Day & Night	Auto/Color/BW/EXT (True Day/Night with ICR control module)
OSD menu	Multiple functions
IR Emitters	36 long life LEDs
IR Configuration	Split glass isolation prevents internal reflections
IR Wavelength	850nm
IR Range	up to 60m/196ft.
IR Output	Intelligent Variable Intensity Illumination / Energy Management
3D-DNR	On/Off switchable
Digital WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up 256X
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	On/Off selectable up to 32X
Motion Detection	On/Off for 4 selectable zones
Privacy Mask	On/Off for 8 selectable zones
RS-485	Control input for menu/configuration
Power Source	12VDC/24VAC
Power Consumption	12VDC: 8W max.; 24VAC: 9W max.
Heater	Yes, built-in
Mounting Pattern	Speedy-Mount Ring mates with 4" round electrical box; base swivel is 1" NPT – remove base plate for coupling to standard conduit fittings
Weatherproof	IP66 rated
Vandal Resistant	Yes
Operating Temperature	-40°C~50°C / -40°F~122°F (built-in heater)
Dimensions (L x H x W)	316.2 x 82.5 x 105.5mm/12.5" x 3.2" x 4.2"
Weight	1250g/2.275lbs
Certificates	CE, FCC

EZ430

520 TVL, Weatherproof, Color IR Bullet Camera



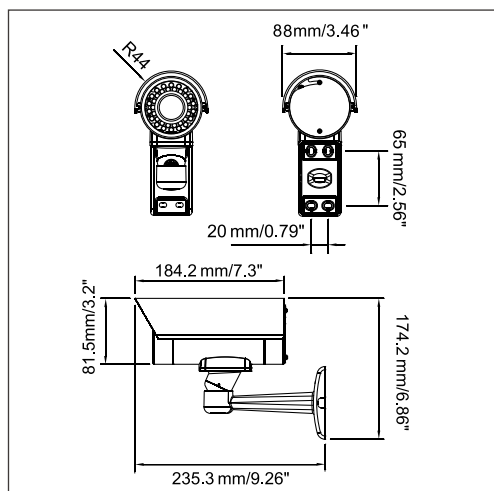
Features

- Low light sensitivity 0.4 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD II
- 520 TVL of excellent high resolution technology
- Up to 30/98ft. of IR range
- Vari-Focal lens to offer you a wide variety of angle viewing
- True Day/Night function with removable IR cut filter
- Motorized lens controller
- IRIS level adjustment
- Cable wires are placed inside camera bracket to eliminate messy wiring and damage
- Intelligent Vari-Frequency of IR control to save electricity and make brightness balance
- Split glass design to avoid LED light reflection
- Vandal resistant
- Weatherproof and IP66 rated

Specifications

Pickup Device	1/3" SONY Super HAD CCD II
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2 (IR OFF); 0 Lux (IR ON)
S/N Ratio	Over 48 dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Vair-focal lens, f=2.9~10mm/F=1.2, f=9~22mm/F=1.6
Back Light Comp.	Yes
Auto Gain Control	Yes
White Balance	Yes
Sync. Mode	Internal sync.
True Day & Night	Yes
IR LED	35 pcs
IR Distance	30m/98ft.
IR Wavelength	850nm
Weatherproof	IP66
Vandal Resistant	Yes
Heater	Yes, built-in
Power Source	12VDC/24VAC
Power Consumption	12VDC: 12W max. (Heater ON & IR LED ON); 24VAC: 15W max. (Heater ON & IR LED ON)
Operating Temperature	-40°C~50°C / -40°F~122°F (20%~80% humidity)
Dimensions (W x D x H)	88 x 235.3 x 174.2mm/3.46" x 9.26" x 6.86"
Weight	1.15kg/2.53lbs
Certificates	CE, FCC

Dimensions



EZ330E/335E

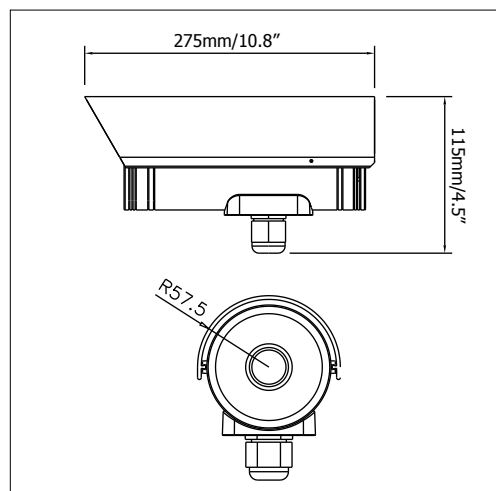
520 TVL, Weatherproof,
Long Range IR Outdoor Bullet Camera



Features

- Low light sensitivity 0.4 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- Vari-frequency IR control
- Long IR distance: 30m/98ft. for EZ330E and 50m/164ft. for EZ335E
- IP66 weatherproof rated
- Built-in heater for camera to work in low temperature environment
- Cables covered by the bracket, to prevent from intentional destruction
- Internal cable connection provides installation without additional waterproof connection box
- Vandal Resistant

Dimensions



Specifications

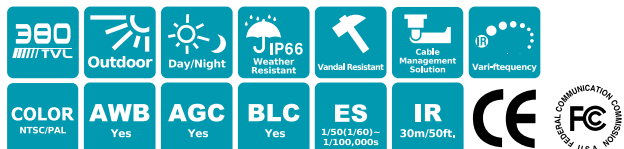
Model Name	EZ330E	EZ335E
Pickup Device	1/3" SONY Super HAD CCD	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.	
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Sensitivity	0.4 Lux/F=1.2 (AGC ON); 0 Lux (IR On)	
S/N Ratio	Over 48 dB (AGC off)	
Electronic Shutter	1/50(1/60)~1/100,000sec.	
Video Output	BNC 1.0Vp-p, 75Ω	
Gamma Correction	0.45	
*Lens Type	6mm, 8mm	8mm, 16mm, 25mm
Black Light Comp.	Yes	
Auto Gain Control	Yes	
Auto White Balance	Yes	
Sync. Mode	Internal Sync.	
IR LED	35 pcs	
IR Distance	30m/98ft.	50m/164ft.
IR Wavelength	850nm	
Weatherproof	IP66	
Vandal Resistant	Yes	
Power Source	2 types: 24VAC; 100VAC~240VAC	
Power Consumption	24VAC/100VAC~240VAC: 16W max.	
Operating Temperature	-40°C ~50°C / -40°F~122°F (20%~80% humidity)	
Dimensions (W x H x D)	115 x 115 x 275mm/4.5" x 4.5" x 10.8"	
Weight	2.5 kg/5.5lbs (with bracket)	
Certificates	CE, FCC	

* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EZ230E/235E

380 TVL, Weatherproof,
Long Range IR Outdoor Bullet Camera



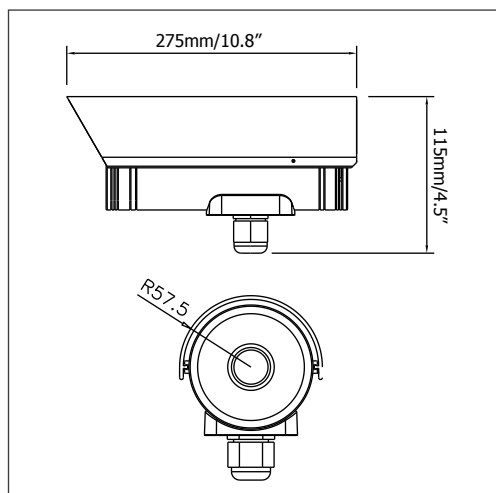
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- Vari-frequency IR control
- Long IR distance: 30m/98ft. for EZ230E and 50m/164ft. for EZ235E
- IP66 weatherproof rated
- Internal cable connection provides installation without additional waterproof connection box
- Vandal Resistant design
- Built-in heater for camera to work in low temperature environment
- Cables covered by the bracket, to prevent from intentional destruction

Specifications

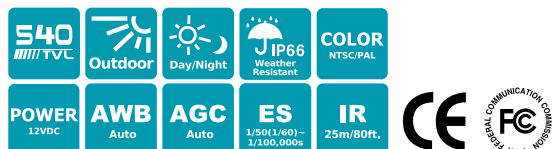
Model Name	EZ230E	EZ235E
Pickup Device	1/3" SONY Super HAD CCD	
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.	
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)	
Horizontal Resolution	380 TVL	
Sensitivity	0.3 Lux/F=1.2 (AGC ON); 0 Lux (IR On)	
S/N Ratio	Over 48 dB (AGC off)	
Electronic Shutter	1/50(1/60)~1/100,000sec.	
Video Output	BNC 1.0Vp-p, 75Ω	
Gamma Correction	0.45	
Lens Type	6mm, 8mm	8mm, 16mm, 25mm
Black Light Comp.	Yes	
Auto Gain Control	Yes	
Auto White Balance	Yes	
Sync. Mode	Internal Sync.	
IR LED	35 pcs	
IR Distance	30m/98ft.	50m/164ft.
IR Wavelength	850nm	
Weatherproof	IP66	
Vandal Resistant	Yes	
Power Source	2 types: 24VAC; 100VAC~240VAC	
Power Consumption	24VAC/100VAC~240VAC: 16W max.	
Operating Temperature	-40°C ~50°C / -40°F~122°F (20%~80% humidity)	
Dimensions (W x H x D)	115 x 115 x 275mm/4.5" x 4.5" x 10.8"	
Weight	2.5kg/5.5lbs (with bracket)	
Certificates	CE, FCC	

Dimensions



ECZ360

540 TVL, Weather Resistant
IR Bullet Camera



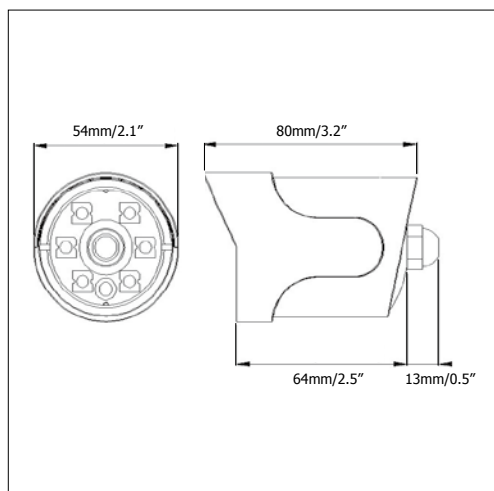
Features

- Color Day/Night IR performance in a compact bullet housing (only 74mm/2.9" in diameter and 110mm/4.3" long)
- SONY 1/3" Super HAD CCD sensor for crisp images
- Digital Signal Processor (DSP) chip-set for superior image control
- High sensitivity, low smear, anti-blooming and high S/N ratio improve image quality
- Automatic Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB) for clear images in all conditions
- Built-in anti-aliasing function and IR-pass (850nm) optical filter
- Thirty high efficiency IR-LEDs with a range of ~25m/80ft. coverage in low light environments
- Sunshield
- Attach mount bottom for pedestal mount or top for pendant mount

Specifications

Pickup Device	1/3" SONY Super HAD CCD sensor
Picture Elements	NTSC or PAL (depends on model selected)
Picture Elements	768 x 494 (NTSC), 752 x 582 (PAL)
Horizontal Resolution	540 TVL
Sensitivity	0.12 Lux/F1.6; 0 Lux (IR LED ON)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/60(1/50)s~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	Board Lens 4.3mm F2.0
Gain Control	Auto
White Balance	ATW (2500°K~9500°K)
Sync. Mode	Internal Sync.
IR LED	30 Units High Efficiency IR LED
IR Wavelength	850nm
IR Distance	25m/80ft.
Weather Resistant	IP 66
Power Source	12VDC
Power Consumption	12VDC: 3.6W max.
Operating Temperature	-10°C~50°C / 14°F~122°F
Dimensions (O.D. x L)	74 x 110mm/2.9" x 4.3"
Weight	387g/0.85lbs
Certificates	CE, FCC

Dimensions



ECZ330E

520 TVL, Weatherproof, IR Mini Bullet Camera



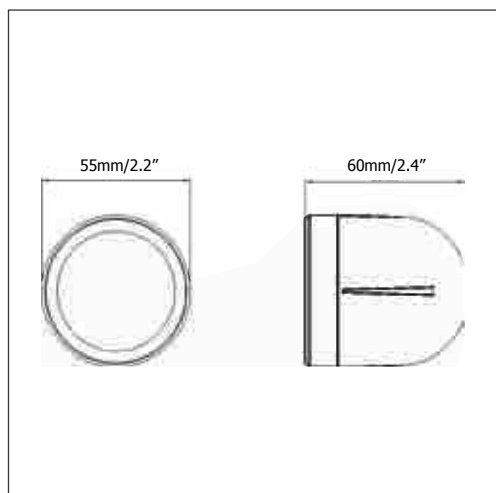
Features

- Low light sensitivity 0.4 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- 0 Lux when IR LED is ON
- Easy installation
- Auto Electronic Shutter (AES). Automatic Gain Control (AGC). Auto White Balance (AWB)
- IR distance 10~12m/33~39ft.

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2 (AGC ON)/0 Lux (IR LED on)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	4.3mm/F=2.0, 6.0mm/F=2.0 *Lens models and availability vary in different regions
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Internal sync.
IR Distance	4.3mm Lens Type: 10m/6mm Lens Type: 12m
IR Wavelength	850nm
IR Control	Vari-frequency
Weatherproof Ratings	IP66
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	3W max.
Operating Temperature	-10°C~50°C / 14°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	With sun shield: 60.5 x 59.4 x 82mm/2.4" x 2.3" x 3.2" Without sun shield: 55 x 60 mm/2.2" x 2.4"
Weight	0.3kg/0.7lbs
Certificates	CE, FCC

Dimensions



ECZ230E

380 TVL, Weatherproof, IR Mini Bullet Camera



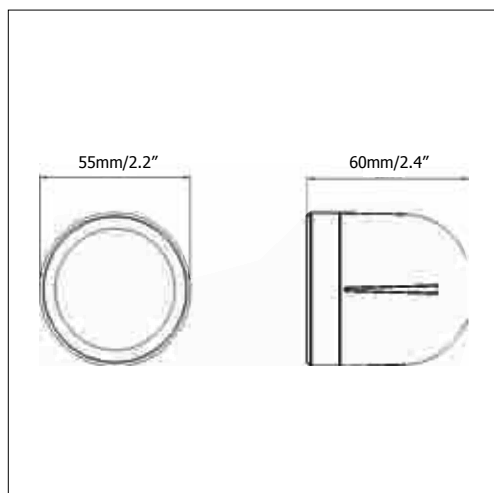
Features

- Low light sensitivity 0.3 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- 0 Lux when IR LED is ON
- Easy installation
- Auto Electronic Shutter (AES)
- Automatic Gain Control (AGC)
- Auto White Balance function (AWB)
- IR distance 10~12m/33~39ft.

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	510 x 492 (NTSC); 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2 (AGC ON) 0 Lux (IR LED on)
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	4.3mm/F=2.0, 6.0mm/F=2.0 *Lens models and availability vary in different regions
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Sync. Mode	Internal sync.
IR LED	14pcs
IR Distance	4.3mm lens: 10m/6mm lens: 12m
IR Wavelength	850nm
Weatherproof	IP66
Power Source	12VDC
Power Consumption	12VDC: 3W max.
Operating Temperature	-10°C~50°C; 14°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	With sun shield: 60.5 x 59.4 x 82mm/2.4" x 2.3" x 3.2" Without sun shield: 55 x 60 mm/2.2" x 2.4"
Weight	0.3kg/0.7lbs
Certificates	CE, FCC

Dimensions



EZ610

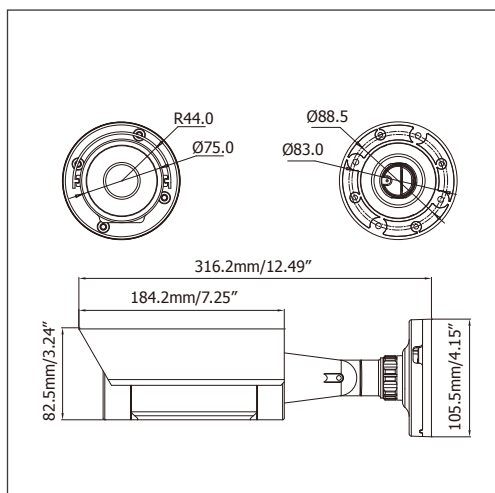
560 TVL, Color Day/Night plus WDR,
IP66 Bullet Camera



Features

- Super HAD II sensor at 0.05 Lux has 5x better native light sensitivity before DSP low light boost
- Full motion color or True Day/Night images in low light without ghosting
- True Day/Night with ICR module
- Starlight super high sensitivity of 0.0002 Lux/F=1.2 is achieved through a sensitivity increase setting of up to 256x
- Motorized Vari-Focal Auto Iris lens – choose 2.8-10mm or 9-22mm focal range
- Digital Wide Dynamic Range
- Provides 3D-Noise Reduction to improve picture clarity
- Flexible mounting and positioning; E-Z Lock ring at the base
- Easy to use OSD setup menu with local or RS-485 remote control (DVR or keyboard)
- Motion detection for 4 configurable zones and local alarm output
- Privacy mask function for 8 configurable zones
- Provides digital zoom up to 32x
- Easy bottom access to video test point and lens/ODS menu controls
- IP66 weather resistant
- Vandal resistant
- Dual voltage (12VDC/24VAC) with line lock to AC supply

Dimensions



Specifications

Pickup Device	1/3" SONY Super HAD II CCD
Video Format	NTSC/PAL
Picture Elements	NTSC: 768 x 494/PAL: 752 x 582
Horizontal Resolution	560 TVL
Sensitivity	0.05 Lux/F=1.2 (AGC ON); 0.0002 Lux/F=1.2 (Sens-up 256x)
S/N Ratio	Over 52dB (AGC off)
Electronic Shutter	1/50 (1/60) ~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω, Local test output, cable provided
Gamma Correction	0.45
Lens Type	DC Iris Vari-Focal: 2.8-10mm (MVB) or 9-22mm (MV2) focal length
Back Light Compensation	OFF/BLC/HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal / Line lock
Day & Night	Auto/Color/BW/EXT
OSD menu	Multiple functions
3D-DNR	Off/On switchable
Digital WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up to 256X
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	Off/On selectable up to 32X
Motion Detection	Off/On for 4 selectable zones
Privacy Mask	Off/On for 8 selectable zones
RS-485	Control input for menu/configuration
Power Source	12VDC/24VAC
Power Consumption	12VDC: 3W max./24VAC: 3W max.
Mounting Pattern	Speedy-Mount Ring mates with 4" round electrical box; base swivel is 1" NPT – remove base plate for coupling to standard conduit fittings
Weatherproof	IP66 rated
Operating Temperature	-40°C~50°C / -40°F~122°F (20%~80% humidity)
Dimensions (L x H x W)	316.2 x 82.5 x 105.5mm/12.49" x 3.24" x 4.15"
Weight	1250g/2.275lbs
Certificates	CE, FCC

EZ350HQ

560 TVL, Weatherproof, Color Bullet Camera



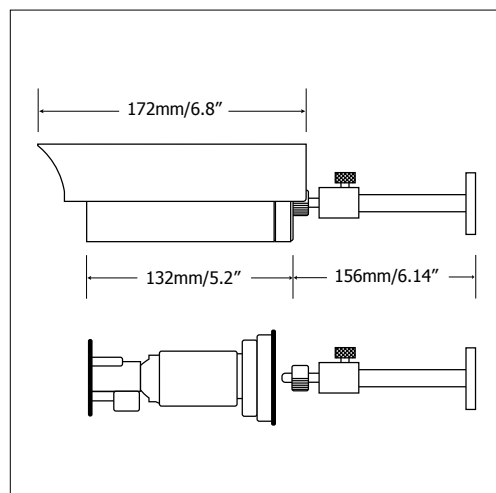
Features

- Low light sensitivity 0.5 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Intelligent backlight compensation with on/off switch
- Camera can be operated in extreme low temperature -40°C / -40°F
- Removable sun shield
- IP66 Weatherproof rated

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f=2.8~10mm/F=1.2, f=9~22mm/F=1.6 *Lens models and availability vary in different regions
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock / Internal sync.
Heater	Yes, built-in
Power Source	12VDC/24VAC
Power Consumption	24VAC: 6VA max. (Heater OFF) 24VAC: 12.5VA max. (Heater ON) 12VDC: 4W max. (Heater OFF) 12VDC: 7.5W max. (Heater ON)
Heater Activation Temp	Yes, 10°C On/20°C Off
Weatherproof	IP66
Operating Temperature	-40°C~50°C / -40°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	With sun shield: 90.7 x 70 x 172mm/3.57" x 2.8" x 6.8" Without sun shield: 132 (D) x 57 (O.D)/5.2" (D) x 2.2" (O.D)
Weight	0.71kg/1.6lbs; 0.91kg/2lbs (with bracket)
Certificates	CE, FCC

Dimensions



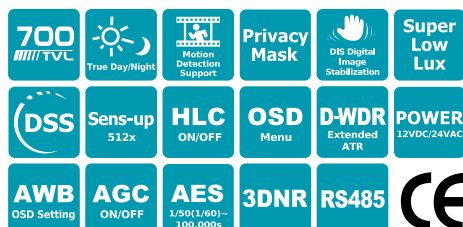
* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EQ610s

700 TVL, True Day/Night,
Super Low Light & D-WDR, Box Camera

NEW



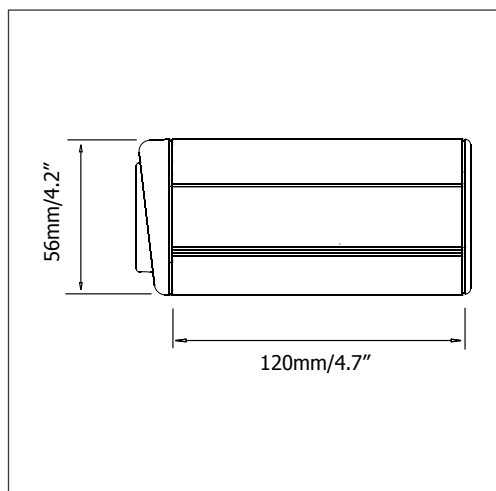
*Lens sold separately

POLESTAR III

Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- The starlight Super-high sensitivity of 0.00006 Lux/F=1.2 is achieved by Digital Slow Shutter (Sens-Up 512x)
- SONY Effio-S platform to perform advanced camera functions and excellent picture quality
- True Day/Night function with ICR module
- Support 3D & 2D Noise Reduction
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY Extended ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), High Light Compensation (HLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Digital Image Stabilization
- Digital Zoom
- Provide control interface include RS-485, D/N in, D/N out and Motion Alarm Out
- Built-in Motion Detection, Privacy Mask advanced surveillance functions

Dimensions



Specifications

Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508(V)	1020(H) x 596(V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2; 0.00006 Lux/Sens-up 512x	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	C/CS Mount (Lens sold separately)	
High Light Compensation	ON/OFF/AUTO CLIP: 0~255 / SCALE: 0~15	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	0~200 Levels adjustable	
Auto White Balance	ATW / AWB / 3200K / 6300K / ANTI CR / PUSH LOCK / MANUAL	
Sync. Mode	Internal	
Day & Night Mode	External / Auto / DN IN / Color / B&W	
OSD Menu	OSD Control (English / Traditional Chinese / Simplified Chinese)	
DNR	3DNR: OFF / ON / MIDLOW / MID / MIDTHIGH / HIGH 2DNR: OFF / ON / MIDLOW / MID / MIDTHIGH / HIGH	
D-WDR(Extended ATR)	OFF/BLC/WDR	
Digital Slow Shutter	Sens-Up ~512x	
Digital Image Stabilization	Yes	
Digital Zoom	Yes	
RS-485 Control	Yes	
Digital I/O Control	D/N In ; D/N Out ; Motion Alarm Out	
Mirror	Normal / Vertical / Mirror / Rotate	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable, Mosaic	
Power Source	12VDC/24VAC	
Power Consumption	12VDC: 2.4W / 24VAC: 2.4W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (WxDxH)	68 x 56 x 120mm/2.6" x 2.2" x 4.7"	
Weight	300g/0.66lbs	
Certificates	CE, FCC	

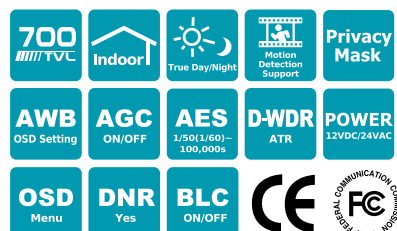
EQ610e

700 TVL, True Day/Night, D-WDR
Indoor Box Camera

NEW



*Lens sold separately



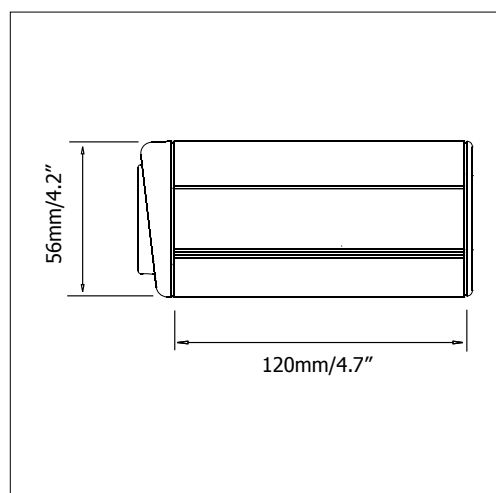
Features

- 700 TVL superior image quality with SONY 1/3" EXview HAD CCD II 960H sensor
- SONY Effio-E platform to provide advanced camera functions
- True Day/Night with ICR module
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- D-WDR functions by SONY ATR technology fit backlight conditions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions

Specifications

Pickup Device	1/3" SONY 960H EXview HAD CCD II	
Video Format	NTSC	PAL
Picture Elements	1020(H) x 508(V)	1020(H) x 596(V)
Horizontal Resolution	700 TVL	
Sensitivity	0.03 Lux/F=1.2	
S/N Ratio	Over 52dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	C/CS Mount (Lens sold separately)	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (4 Steps)	
Auto White Balance	ATW / Push / User1 / User2 / ANTI CR / Manual / Push Lock	
Sync. Mode	Internal	
OSD Menu	OSD Control (English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese)	
DNR	On/Off switch	
D-WDR(ATR)	On/Off switch	
Mirror	On/Off switch	
Flicker less	On/Off Switch	
Motion Detection	On/Off for 24x16 Detection Zone Blocks	
Privacy Mask	On/Off for 8 Zones Programmable, Mosaic	
Power Source	12VDC/24VAC	
Power Consumption	12VDC: 1.5W/ 24VAC: 2.5W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (W x D x H)	68 x 56 x 120mm/2.6" x 2.2" x 4.7"	
Weight	290g/0.64lbs	
Certificates	CE, FCC	

Dimensions



EQ610x

600 TVL, High Resolution
D-WDR, Box Camera

NEW



*Lens sold separately

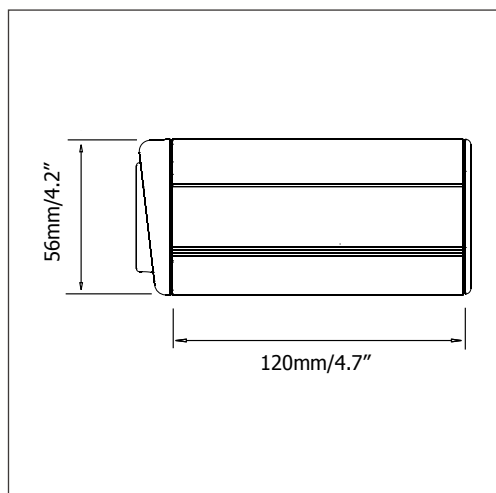
Features

- 600 TVL High Resolution CCD sensor
- High sensitivity, low smear, high anti-blooming and high S/N ratio for high performance video
- Easy to use OSD Setup Menu
- Built-in DNR, D-WDR & Easy Day/Night functions
- Built-in Back Light Compensation (BLC), Auto Electronic Shutter (AES), Auto Gain Control (AGC) and Auto White Balance (AWB)
- Built-in Motion Detection, Privacy Mask advanced surveillance functions

Specifications

Pickup Device	1/3" High Sensitivity Color CCD	
Video Format	NTSC	PAL
Picture Elements	811(H) x 507(V)	795(H) x 595(V)
Horizontal Resolution	600 TVL	
Sensitivity	0.15 Lux/F=1.2	
S/N Ratio	Over 48dB (AGC off)	
Video Output	1.0Vp-p Composite, 75Ω; BNC	
Gamma Correction	0.45	
Lens Type	C/CS Mount (Lens sold separately)	
Back Light Compensation	HLC/BLC/OFF	
Auto Electronic Shutter	1/60(50) ~1/100,000sec.	
Auto Gain Control	AUTO (3 Steps)	
Auto White Balance	ATW1 / ATW2 / AWC / Manual	
Sync. Mode	Internal	
OSD Menu	OSD Control (English / Simplified Chinese)	
DNR	On/Off switch	
D-WDR	On/Off switch	
Mirror	On/Off Switch	
Motion Detection	4 Detection Zones	
Privacy Mask	8 Zones	
Power Source	12VDC	
Power Consumption	12VDC: 1W	
Operating Temperature	-10°C~50°C / 14°F~122°F	
Dimensions (W x D x H)	68mm x 56mm x 120mm/2.6" x 2.2" x 4.7"	
Weight	265g/0.58lbs	
Certificates	CE, FCC	

Dimensions



EQ350HQ

560 TVL, Aluminum Box Camera



*Lens sold separately

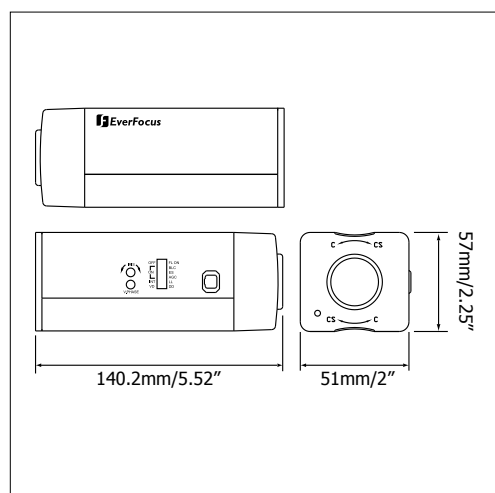
Features

- Low light sensitivity 0.5 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers sharp color images and excellent picture quality
- Wide range automatic electronic shutter: 1/60 (1/50)~1/100,000sec.
- Auto line lock with external phase adjustment
- C/mount or CS-mount adjustable with easy back-focus adjustment wheel on the camera
- Smart FL mode for fluorescent light or 1/100sec. (NTSC)
- Utilizing innovative Pure Vision Technology

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Horizontal Resolution	560 TVL
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	C/CS mount, Video Drive / Direct Drive (Lens sold separately)
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Fluorescent Light	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock / Internal sync.
Phase Control	V-Phase +/-90
Power Source	2 types: 100VAC~240VAC; 12VDC/24VAC
Power Consumption	100VAC~240VAC: 12VA max.; 24VAC: 7VA max.; 12VDC: 4.5W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%-80% humidity)
Dimensions (W x H x D)	57 x 51 x 140.2mm/2.25" x 2" x 5.52"
Weight	0.5kg/1.1lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EQ300E

520 TVL, Aluminum Box Camera with Simple Day/Night



*Lens sold separately

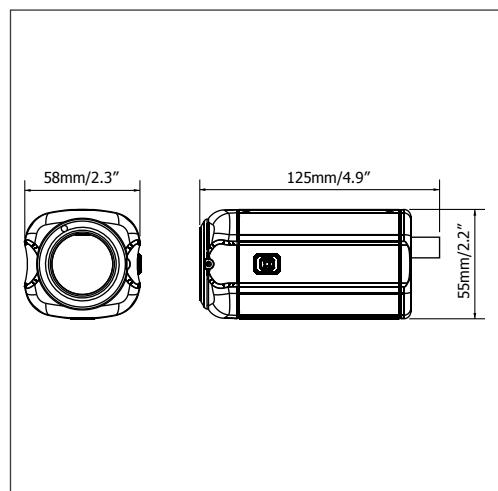
Features

- Low light sensitivity 0.4 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 520 TVL of horizontal resolution
- Support video drive and DC drive Auto Iris lens
- Designed with advance digital signal processing circuitry for high image quality
- Day/Night Auto/Off switchable
- ES, BLC, AGC and FL On/Off switchable
- Compatible with both C-mount and CS-mount lens (adapter ring included)
- System available for NTSC or PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Auto Iris	Video Drive / Direct Drive switch
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
Day & Night Mode	Auto/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Internal sync.
Lens Type	C/CS mount (Lens sold separately)
Audio	Optional
Power Source	3 types: 12VDC only; 12VDC/24VAC; 100VAC~240VAC
Power Consumption	12VDC: 1.6W max.; 24VAC: 2.2W max. 100VAC~240VAC: 1.6W max.
Lens	Lens sold separately
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	58 x 55 x 125mm/2.3" x 2.2" x 4.9"
Weight	0.25kg/0.55lbs
Certificates	CE, FCC

Dimensions



EQ200E

380 TVL, Aluminum Box Camera with Simple Day/Night



*Lens sold separately

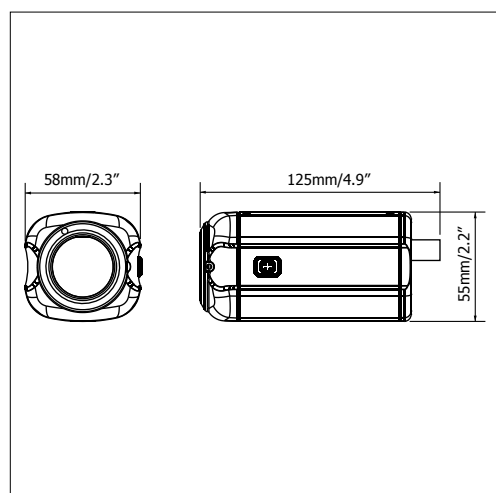
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- Support video drive and DC drive Auto Iris lens
- Designed with advance digital signal processing circuitry for high image quality
- Day/Night Auto/Off switchable
- ES, BLC, AGC and FL On/Off switchable
- Compatible with both C-mount and CS-mount lens (adapter ring included)
- System available for NTSC or PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 510 x 492; PAL: 500 x 582
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Auto Iris	Video Drive / Direct Drive switch
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Flickerless	On/Off switch
Day & Night Mode	Auto/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Internal sync.
Lens Type	C/CS mount (Lens sold separately)
Audio	Optional
Power Source	3 types: 12VDC only; 12VDC/24VAC; 100VAC~240VAC
Power Consumption	12VDC: 1.6W max.; 24VAC: 2.2W max. 100VAC~240VAC: 1.6W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions (W x H x D)	58 x 55 x 125mm/2.3" x 2.2" x 4.9"
Weight	0.25kg/0.55lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information
* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EI350HQ

560 TVL, Pure Vision Lens, Integrated Color Camera



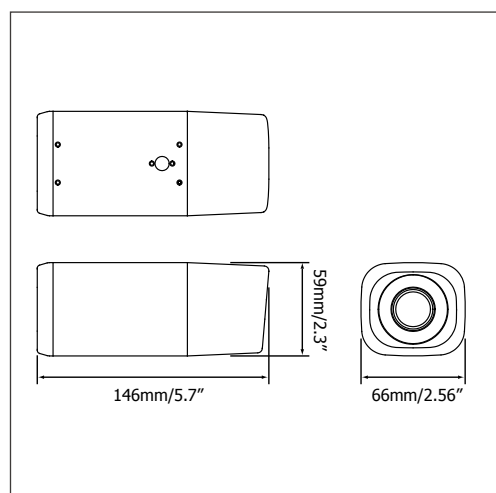
Features

- Low light sensitivity 0.5 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality an sharp color images
- Intelligent backlight compensation
- Utilizes Pure Vision Technology

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 768 x 494; PAL: 752 x 582
Horizontal Resolution	560 TVL
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Lens Type	Vari-Focal lens, Auto Iris f=2.8~10mm, F=1.2
Back Light Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75Ω
Sync. Mode	Line Lock / Internal Sync.
Power Source	12VDC/24VAC
Power Consumption	24VAC: 7.5VA max.; 12VDC: 4.5W max.
Mounting Bracket (H x Φ)	Aluminum, 145 x 56.5mm / 5.7" x 2.2"; Max Load 3kgs
Operating Temperature	0°C~50°C / 32°F~122°F (20%-80% humidity)
Dimensions (W x H x D)	66 x 59 x 146mm/2.56" x 2.3" x 5.7"
Weight	0.4kg/0.9lbs
Certificates	CE, FCC

Dimensions



EM200

380 TVL, Metal Case Color Camera



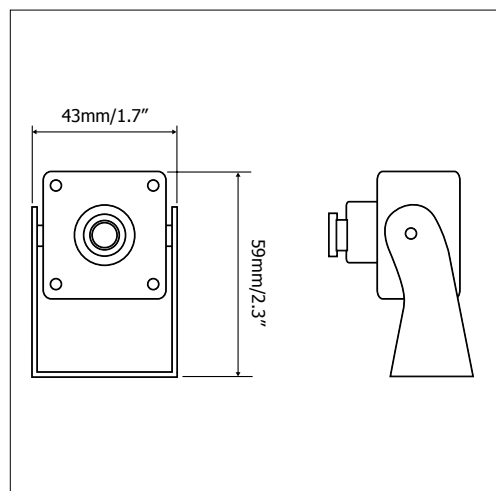
Features

- Low light sensitivity 0.3 Lux/F=1.2 (AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- The electronic shutter and AGC allow the camera to be used in environment with varying light levels
- Built-in anti-aliasing and IR cut optial filter, except pinhole modules
- System available for NTSC and PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 510 x 492; PAL: 500 x 582
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	f=3.6mm; f=4.3mm; f=6.0mm; f=8.0mm *Lens models and availability vary in different regions
Lens Mount	M12 x P0.5
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Sync. Mode	Internal Sync.
Power Source	12VDC
Power Consumption	3W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions (W x D x H)	36 x 36 x 31mm/1.42" x 1.42" x 1.22"
Weight	0.09kg/0.20lbs
Certificates	CE, FCC

Dimensions



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information

* Lens models and availability vary in different regions

* All product specifications are subject to change without notice

EB200

380 TVL, Color Camera Module



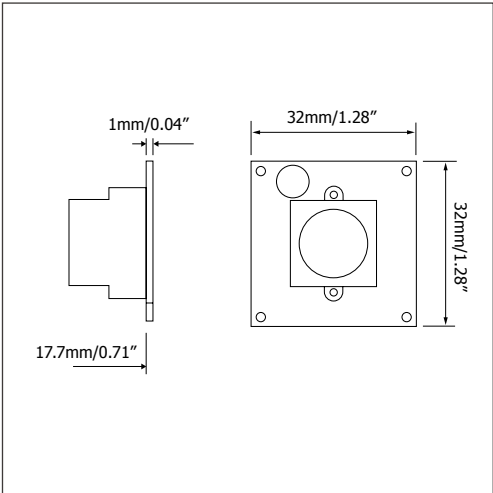
Features

- Low light sensitivity 0.3 Lux/F=1.2(AGC ON) is achieved by using the advanced 1/3" SONY Super HAD CCD
- 380 TVL of horizontal resolution
- The electronic shutter and AGC allow the camera to be used in environment with varying light levels
- Built-in audio function
- Shipped with complete assemblage, easy camera position adjustments
- System available for NTSC and PAL

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Dimensions	NTSC/PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec.; PAL: 625 TVL, 50 fields/sec.
Picture Elements	NTSC: 510 x 492; PAL: 500 x 580
Horizontal Resolution	380 TVL
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (Auto off)
Electronic Shutter	1/50 (1/60)~1/100,000sec.
Video Output	BNC 1.0Vp-p, 75Ω
Gamma Correction	0.45
Lens Type	f=3.6mm; f=4.3mm; f=6.0mm; f=8.0mm *Lens models and availability vary in different regions
Lens Mount	M12 x P0.5
Back Light Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Sync. Mode	Internal sync.
Power Soure	12VDC
Power Consumption	3W max.
Operating Temperature	0°C~50°C / 32°F~122°F (20%~80% humidity)
Dimensions	32 x 32mm/1.28" x 1.28"
Weight	0.02kg/0.04lbs
Certificates	CE, FCC

Dimensions





Accessories

EKB500

Multi-Function Control Keyboard

PTZ
Device Control

ACS
Device Control

DVR
Device Control

Cascade
Up to 8 Keyboards

RS232
Yes

RS485
Yes

LCD Display
20x2 characters



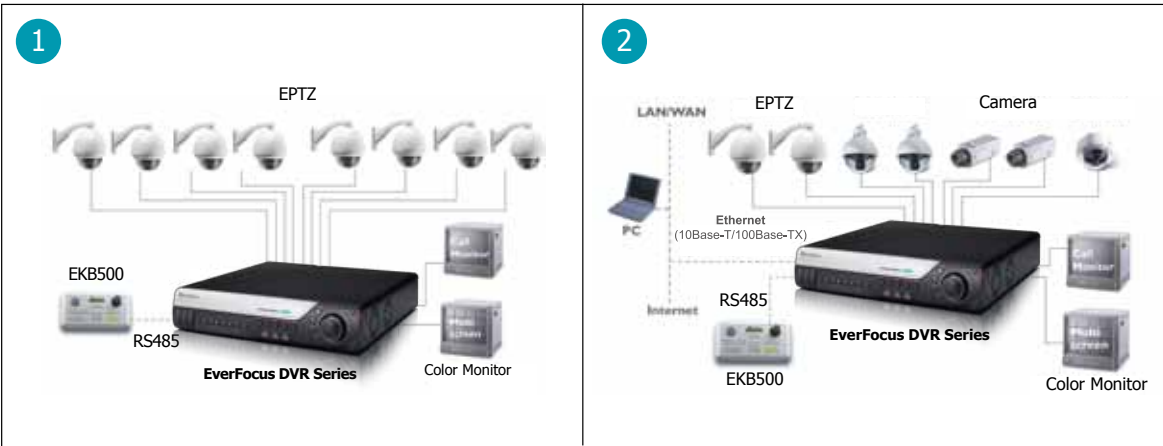
Features

- Capable of controlling speed dome cameras, DVRs, and monitors
- Centralized control of up to 999 cameras from a single controller
- Password protected to prevent unauthorized users
- 3-D Joystick for PTZ control functions and Jog Shuttle for DVR control
- Two independent communication prots with selectable band rate and protocol
- Customized, upgradeable firmware for specific applications
- Auto tracking by external signal processor unit
- Preset position and pattern control; full programmable preset tour
- Matrix control (EverFocus DVR series products)

Specifications

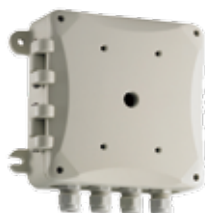
Power Source	12VDC
Power Consumption	10W
Device Control	PTZ Speed Domes, DVRs and Monitors
Protocols	Pelco-D, Pelco-P, EverFocus Enhanced Protocols
Remote Control	RS-232/RS-485
Baud Rate	1200-38400 dps
LCD Display	20 x 2 Characters
Integration	Up to 8 keyboard cascading connection
Auto Surveillance	Position, Tour, Auto Pan
Wiring Box	Yes
Dimensions (L x W x H)	356 x 203 x 108mm/14" x 8" x 4.25"
Weight	1.5kg/3.3lbs

System Examples



EPTZ-PBOX

Multi-Function Conjunction Box
(For all EPTZ/EPN models)



Features

- Multi-function conjunction power box for PTZs, EPN and cameras
- Vandal resistant and weatherproof IP66 rated
- Optional built-in video encoder for analog to IP network conversion and network capabilities with web browser
- Compatible with PTZ/EPN corner mount (optional EPTZCNM) and pole mount (optional EPTZPLEM) adaptor

EverFocus EPTZ-PBOX supports a wide variety of EPTZ/EPN indoor and outdoor mounting accessories. EPTZ-PBOX provides enhanced durability and eliminates complicated cabling in any location.

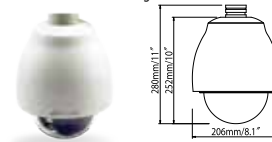


Specifications

Waterproof Conduit	10mm x 1pcs, 7mm x 3pcs
Power Source	2 types: 100V~120VAC/220V ~ 240VAC
Power Output	24VAC
Power Consumption	3.5 amps
Dimensions (W x D x H)	250 x 260 x 85 mm / 9.8" x 10.2" x 3.3"
Weight	4.08 kg/9lbs ; 4.54 kg/10lbs (with 1 ch. encoder)
Certificates	CE, FCC, LVD

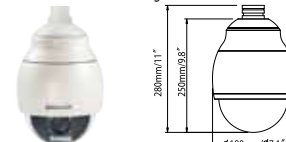
EPTZ/EPN Standard Outdoor Housing (with sun shield)

- Compatible with EPTZ-SSM (outdoor sun shield), EPTZ-WMB (wall mount bracket), EPTZ-CNM (corner mount adapter), EPTZ-PLM (pole mount adapter), EPTZ-PBOX (multi-function conjunction box) for diverse ceiling and wall mounts
- IP66 Rating
- Polycarbonate dome cover (clear/smoked/mirror)
- Aluminum die-cast housing



EPTZ/EPN Standard Outdoor Housing (without sun shield)

- Compatible with EPTZ-SSM (outdoor sun shield), EPTZ-WMB (wall mount bracket), EPTZ-CNM (corner mount adapter), EPTZ-PLM (pole mount adapter), EPTZ-PBOX (multi-function conjunction box) for diverse ceiling and wall mounts
- IP66 Rating
- Polycarbonate dome cover (clear/smoked/mirrored)
- Aluminum die-cast housing



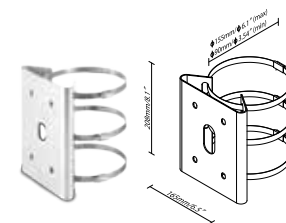
EPTZ/EPN Standard Indoor Housing

- Compatible with EPTZ-CMB (concrete ceiling mount adapter), EPTZ-CLM (ceiling pendent mount bracket), EPTZ-ICMB (in-ceiling flush mount bracket) for diverse ceiling and wall mounts
- Polycarbonate dome cover
- Aluminum die-cast housing



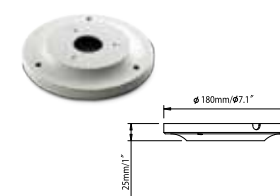
EPTZ-PLMN Pole Mount Adapter (For all EPTZ/EPN models)

- Compatible with EPTZ-WMB and EPTZ/EPN
- Stainless steel



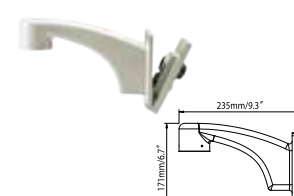
EPTZ-CMB Indoor Concrete Ceiling Mount Adapter (EPTZ/EPN Indoor only)

- Ceiling mount adapter for indoor EPTZ/EPN
- Aluminum die-cast housing



EPTZ-WMB Wall Mount Bracket (For all EPTZ/EPN models)

- Compatible with EPTZ/EPN
- Waterproof with aluminum die-cast housing



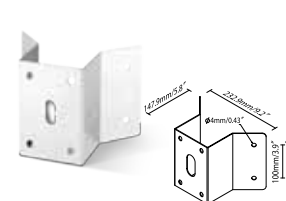
EPTZ-CLM Indoor Ceiling Pendent Pole Mount Bracket EPTZ-BKAGR Wall Mount Bracket Adapter (EPTZ/EPN Indoor only)

- Shall be together with top housing adapter to mount standard indoor housing on ceiling
- Aluminum die-cast housing



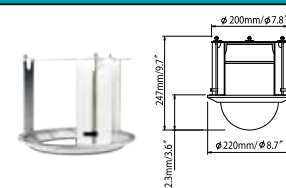
EPTZ-CNM Corner Mount Adapter (For all EPTZ/EPN models)

- Compatible with EPTZ-WMB and EPTZ/EPN
- Stainless steel



EPTZ-ICMB Indoor In-Ceiling Mount Bracket (EPTZ/EPN Indoor only)

- Can be installed as flush & recessed ceiling mounting
- Aluminum die-cast housing
- Plastic decorative flange



EDA450

EverFocus SATA Bay Storage Expansion



Features

- 1U 19" form factor
- Supports SATA I and SATA II hard drive, with up to 2TB per hard drive
- Power and each HDD status LED
- Configure as individual SATA drive
- Four 3.5" drive bays
- SATA II compliant, 1.5 Gb/s and 3 Gb/s
- Platform independent—works with Windows or Linux computers with compatible SATA controller

Specifications

Form Factor	1U 19"
HDD Bays	4 x 3.5"
Maximum Capacity	8TB
Host Interface & Transfer Rate	eSATA (3Gb/s)
Drive Interface	SATA I & SATA II
Cooling Fan	x2
Power Supply	150W x 1 (AC100~240V)
Status Indicators	4 LEDs for HDD, Power LED
Dimensions (W x D x H)	482.6 x 381 x 43.1 mm / 19" x 15" x 1.7"
Weight	5.4kg/12lbs
Certificates	CE, FCC

EPR110

EverFocus Hard Drive Reader



Features

Operations	1/4/9/16 multi-channel playback
	Playback forward/backward at 0.1~16x speed
	Audio playback for 1~60fps recordings (MPEG-4 4CH/8CH/16CH will not support audio function)
	Pause
	Step forward/backward
Search	Jump to beginning or end of a segment
	Search video by segment list, date/time and alarm list
	Slide bar to move video pointer
	Display current video date/time
	Save still image to BMP or JPEG file
Archive	Print still image
	Save video to Motion JPEG AVI file up to 4GB
	Save disk raw data into proprietary file
	Save meta-data to text or binary file
	Length limitation depends on various PC hardware, disk and OS configurations

Specifications

Supported Products	Paragon and Paragon264 Series DVRs
Light Indication	2 LEDs for power and disk activity
Lock	HDD tray lock
Power Switch	Power On/Off
Interface Connector	USB type B connector
Power Connector	6 pin 5V/12VDC
Operations	1, 4, 6, 9, or 16 multi-channel playback Playback forward/backward at 0.1~16x speed ; Pause ; Step forward/backward ; Jump to beginning or end of entire drive
Search	Search video by segment list, date/time, alarm list Slide bar to move video pointer, display current video date/time
Archive	Save still image to BMP or JPEG file, save video to AVI file, save disk raw data into proprietary file, save meta-data to text or binary file
Power Consumption	1.5 amp
Dimension (L x W x H)	276.9 x 154.9 x 45.7 mm/10.9" x 6.1" x 1.8"
Weight	2.3kg/5lbs

CCTV Lens



FL-3620



FL-4320



FL-8020

Megapixel Lens IR Corrective



EFV-M1600DCIR/
EFV-M1600IR



EFV-M0940DCIR/
EFV-M0940IR



EFV-M0880DCIR

Specifications

Auto Iris & Vari-Focal Lens

Model Name	Description
EFV-2814DC	Vari-Focal 2.8~12mm Auto Iris
EFV-358	Vari-Focal 3.8~8mm Auto Iris
EFV-358DC	Vari-Focal 3.8~8mm Auto Iris
EFV-416	Vari-Focal 4~16mm manual iris
EFV-416DC	Vari-Focal 4~16mm Auto Iris
EFV-550	Vari-Focal 5~50mm manual iris
EFV-550DC	Vari-Focal 5~50mm Auto Iris

Fixed Iris & Mini Board Lens

Model Name	Description
FL-2520	2.5mm Lens
FL3620	3.6mm Lens
FL-4320	4.3mm Lens
FL-6020	6mm Lens
FL-8020	8mm Lens
FL-1220	12mm Lens
FL-1620	16mm Lens

Specifications

Auto Iris & Vari-Focal Lens

Model Name	Description
EFV-M0880DCIR	1/2" 8-80mm, DC IRIS F/1.6, IR C Mount (1.5 MegaPixel)
EFV-M0940DCIR	1/2" 9-40mm, DC IRIS F/1.5, IR CS Mount (5 MegaPixel)
EFV-M0940IR	1/2" 9-40mm, Manual IRIS F/1.5, IR CS Mount (5 MegaPixel)
EFV-M1803DCIR	1/2" 1.8-3mm, DC IRIS F/1.8, IR CS Mount (5 MegaPixel)
EFV-M1803IR	1/2" 1.8-3mm, Manual IRIS F/1.8, IR CS Mount (5 MegaPixel)
EFV-M1600DCIR	1/2.5" 1.67mm, DC IRIS F/1.8, IR CS Mount (5 MegaPixel)
EFV-M1600IR	1/2.5" 1.67mm, Manual IRIS F/1.8, IR CS Mount (5 MegaPixel)
EFV-M2806DCIR	1/3" 2.8-6mm, DC IRIS F/1.3, IR CS Mount, (3 MegaPixel)
EFV-M2808DCIR	1/3" 2.8-8mm, DC IRIS F/1.2, IR CS Mount (3 MegaPixel)
EFV-M2808IR	1/3" 2.8-8mm, Manual IRIS F/1.2, IR CS Mount (3 MegaPixel)

FH17LED FH19LED

17", 19" Professional LED CCTV Monitors



Features:

- Longer Lifetime
- Higher Contrast and Black Level
- More Balanced Color Saturation
- Lower Failure Rate
- Lower Temperature
- Better Operation Efficiency - 40% Less Power Consumption
- Environmental Friendly

Specifications

Model Name	FH17LED	FH19LED
Screen Size	17"	19"
Max Resolution	1280x1024	
Brightness	300cd/m ²	
Pixel Type	Active Matrix TFT	
Pixel Pitch	0.264(H) x 0.264(V)	0.294(H) x 0.294(V)
Display Color	16.7 Million	
Backlit	LED	
Contrast Ratio	10000:1	
Aspect Ratio	4:3	
Viewing Angle (H/V)	170°/160°	
Response Time	5ms	
Video System	NTSC/PAL	
Video In/Out (BNC Type)	2/2	
VGA In/Out (15Pin D-Sub)	1	
HDMI In	1	
Audio In/Out (RCA Type)	1/1	
PC Stereo In	1	
Built In speaker	Yes (2.5W x 2)	
3D Comb Filter	YES	
3D De-Interlace	YES	
Multi-Language	English, German, French, Italian, Spanish, Russia, Turkish, Japanese, Polish	
Key Lock Function	Optional	
Packing(WxHxD)(1pcs/Box)	500x160x570mm	
Finish/Tilt Stand	Black/Yes	
Visa Mounts Size	75mm/100mm compatible	
Wall	Optional	
Ceiling	Optional	
Rack	Optional	
Electrical Ratings	DC12V (AC100~240 [50 / 60])	
Consumption < On	20W Max	25W Max
Net (WxHxD)	375 x 420 x 190mm / 14.76" x 16.54" x 7.48"	420 x 420 x 190mm / 16.54" x 16.54" x 7.48"
Weight	N.W.: 3.17kg/6.99lbs; G.W.: 4.7kg/10.36lbs	N.W.: 3.22kg/7.11lbs; G.W.: 4.74kg/10.45lbs
Certificates	CE, UL/CUL, FCC-DOC	

FH-7517E FH-7519E

17", 19" Professional LCD CCTV Monitors



Features

- 2 x BNC Composite Video Input
- 2 x BNC Composite Video Output
- 1 x HDMI Input
- 1 x VGA Input
- 2 x Audio Input, build in speakers
- Newest 4D-Comb-Filter with De-Interlace technology for clear color transitions and suppression of cross colors
- Integrated 3D noise reduction filter
- Easy multi-language OSD setup
- Picture size and - position setup also for all video input types
- Newest power management technology
- VESA compatible mount (75mm)

Specifications

Model Name	FH-7517E	FH-7519E
Diagonal Size	17"	19"
Active Area (mm)	337.9(H) x 270.3(V)	376.3(H) x 301.06(V)
Display Resolution	1280 x 1204	1280 x 1024
Pixel Pitch (mm)	0.264 x 0.264	0.294 x 0.294
Brightness	300cd/m ²	300cd/m ²
Contrast Ratio	800:1	800:1
Response Time (Tr/Tf)	5ms	5ms
Resolution	SXGA	
System	NTSC/PAL	
Display Mode	Video1 / Video2 / PC / HDMI	
Viewing Angle	Vertical: -80°~80°, Horizontal: -80°~80°	
Temperature	Operation: 5°C~40°C, Storage: -10°C~60°C	
Composite Input	BNC x 2, RCA x 2, VGA x 1, PC Audio x 1, HDMI x 1	
Composite Output	BNC x 2	
Voltage Input	100~240 V, 50/60 Hz	
Power Consumption	40W	
Standby Power Consumption	3.4W	
AC power	AC 100~240V, 50/60 Hz	
Dimension (W x H x D)	420 x 420 x 220mm	430 x 415 x 220mm
Net Weight	5.5kg/12.1lbs	6kg/13.2lbs
Certificates	CE, FCC	

FH-7522E

22" Professional Widescreen LCD CCTV Monitors



Features

- 2 x BNC Composite Video Input
- 2 x BNC Composite Video Output
- 1 x HDMI Input
- 1 x VGA Input
- 2 x Audio Input, build in speakers
- Newest 4D-Comb-Filter with De-Interlace technology for clear color transitions and suppression of crosscolors
- Integrated 3D noise reduction filter
- Easy multi-language OSD setup
- Picture size and - position setup also for all video input types
- Newest power management technology
- VESA compatible mount (75mm)

Specifications

Diagonal Size	22"
Active Area (mm)	437.6(H) x 296.1(V)
Display Resolution	1680 x 1050
Pixel Pitch (mm)	0.282 x 0.282
Brightness	300cd/m ²
Contrast Ratio	1000:1
Response Time (Tr/Tf)	5ms
Resolution	WXGA
System	NTSC/PAL
Display Mode	Video1 / Video2 / PC / HDMI
Viewing Angle	Vertical: -80°~80°, / Horizontal: -85°~85°
Composite Input	BNC x 2, RCA x 2, VGA x 1, PC Audio x 1, HDMI x 1
Composite Output	BNC x 2
Voltage Input	100~240 V, 50/60 Hz
Power Consumption	40W Max. in "ON" Mode
Standby Power Consumption	2.5W x 2
AC Power	AC 100~240V, 50/60 Hz
Operation Temperature	Operation: 5°C~40°C, / Storage: -10°C~60°C
Dimension (W x H x D)	510 x 420 x 190mm / 20" x 16.5" x 7.5"
Net Weight	7kg/15.4lbs
Certificates	CE, FCC-DDC, UL/CUL

FH1080P42

42" Professional LCD CCTV Monitor



Features

- 42" Professional Industrial Metal Case Design
- 1920 x 1080 Full HD High Resolution
- 3D Comb Filter High Quality Motion Adaptive
- 4H Comb Filter Adaptive for Best image Quality

Specifications

Diagonal Size	42"
Active Area (mm)	930.24(H) x 523.26(V)
Display Resolution	1920 x 1080 (Full HD)
Pixel Pitch (mm)	0.4845 x 0.4845
Brightness	500cd/m ²
Contrast Ratio	2500:1
Response Time (Tr/Tf)	6ms
Viewing Angle	V: 178° / H: 178°
Color Depth	16.7 M colors
System	NTSC/PAL
Display Mode	Video1 / Video2 / PC / HDMI
Humidity	10%~90%
Horizontal Frequency	60KHz~73KHz
Vertical Frequency	47Hz~63Hz
Power Consumption	240W
Speaker	1.5W x 2
AC Power	AC 100~240V 50/60 Hz
OSD Control	Picture Mode, Contrast, Brightness, Color, Tint, Sharpness, Color Temp., DNR
OSD Languages	English, German, French, Italian, Spanish, Russian, Turkish, Japanese, Polish
Remote Control	Yes
Wall Mount	Yes (Optional)
Wall Mount Size	300 x 200mm
Operating Temperature	Operation: 0°C~40°C, Storage: -10°C~60°C
Dimension (W x H x D)	990 x 592 x 103mm / 39" x 23.3" x 4.06"
Net Weight	28kg/61.5lbs
Accessories	Power code, Manual, VGA Cable, Remote control
Certificates	CE, FCC, UL

EN7517HDMI

EN7519HDMI

17" and 19" HDMI CCTV Monitors



Features

- High Resolution LCD Monitors (over 500 TVL)
- 1280 x 1024 Resolution (SXGA) panels
- 3D Comb Filter, De-Interlace, Noise Reduction
- NTSC/PAL/SECAM Auto Detection
- Digital (HDMI) & Analog (RGB) Inputs
- Looping BNC Input
- Multi-Language OSD and Built-In Speakers
- UL Listed with CE, FCC, and CB, RoHS
- Black Plastic Bezel with Metal Base
- Remote Control Included
- HDMI and VGA Cables Included

Specifications

Model Name	EN7517HDMI	EN7519HDMI
Resolution	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Screen Scale	4:3 (HD)	4:3 (HD)
Active Area (mm ²)	337.92 x 270.336	376.32 x 301.056
Viewing Lines	>500 lines (TVL)	>500 lines (TVL)
Pixel Pitch	0.264mm	0.294mm
Brightness	300cd/m ²	300cd/m ²
Contrast Ratio	800:1	
Response Time	5ms	
Viewing Angles	H: 170° V: 170°	
3D Comb Filter	Yes	
De-interlace	Yes	
OSD	2 out of 9 language options	
Display Colors	16.7 Million	
Speakers	2 each (3 watts)	
Video Inputs	HDMI, VGA, BNC, S-Video, RCA	
Video Outputs	BNC (1 each)	
Audio Inputs	RCA, PC	
Audio Outputs	RCA	
Mounting	75mm Vesa	
Power Input	AC100-240V, 60/50Hz	
Power Use	<45W, <2W (standby)	
Desk Stand	Removable-Metal	
Options	Rack and wall mounts	
Accessories	VGA cord, Power Cord, and HDMI Cable	
Operating Temperature	5°C ~ 40°C	
Packaging (LxWxD)	580 x 515 x 165mm / 22.8" x 20.2" x 6.5"	518 x 465 x 165 mm / 20.3" x 18.3" x 6.5"
Weight	7kg net(9kg in carton)/15.4lbs	6kg net(7.5kg in carton)/15.4lbs
Certificates	CE, FCC, CB	

EN1080P22

22" Full HD Widescreen CCTV Monitor



Features

- High Resolution LCD Monitor (over 500 TVL)
- 1920x1080 (Full HD) Resolution on K10S22
- 1366x768 (720P) Resolution on K10S19
- 3D Comb Filter, De-Interlace, Noise Reduction
- NTSC/PAL Auto Detection
- Looping BNC Input
- Multi-Language OSD and Built-In Speakers
- Digital (HDMI) & Analog (RGB) Inputs
- CE Listed with FCC, and CB, RoHS
- Black Plastic Bezel with Removable Base
- HDMI and VGA Cables Included

Specifications

Resolution	1920x1080
Screen Scale	16:9 (HD)
Active Area (mm ²)	476.64x268.11
Viewing Lines	>500 lines (TVL)
Pixel Pitch	0.264mm
Brightness	300cd/m ²
Contrast Ratio	1000:1
Response Time	5ms
Viewing Angles	H: 170° V: 160°
3D Comb Filter	Yes
De-interlace	Yes
OSD	2 out of 6 language options
Display Colors	16.7 Million
Speakers	2 each (3 watts)
Video Inputs	HDMI, VGA, BNC Looping, RCA
Video Outputs	BNC (1 each)
Audio Inputs	RCA, PC
Mounting	75mm Vesa
Power Input	AC100-240V, 60/50Hz
Power Use	<45W, <2W (standby)
Desk Stand	Removable-Plastic
Options	Rack and Wall Mounts
Operating Temperature	5°C ~ 40°C
Packaging (LxDxW)	581 x 115 x 405mm / 22.81" x 4.53" x 15.94"
Weight	4.5 kg net(5.5 kg in carton)/9.8lbs
Accessories	VGA Cord, Power Cord, and HDMI Cable
Certificates	CE, FCC, CB

EN200/EN220

5.6" Color TFT LCD Test Monitor & Server Kit



Features

- 5.6" CCTV test monitor
- Troubleshoot camera display right on installation site
- Full color LCD display to check for video signal
- Small & compact for portability
- Available with monitor service kit

Specifications

Screen Size (H x V)	5.6"/116 x 87 mm
Active Area (H x V)	111.36mm x 83.52mm
Pixel Type	A-Si Active Matrix TFT
Screen Color	Full color
Dot Matrix (H x V)	320 x 240 RGB
Dot Pitch	0.116 x 0.348
Contrast Ratio	85:1
Brightness	270cd/m2
Sound Input	200mW (built-in 4cm speaker)
Terminal Input	Power, Video & Audio Input
Video Input	0.75 Vp-p~1Vp-p, 3.5 pin
Audio Input	50mV min., Stereo In, 3.5 pin
Stereo Output	Ear phone, 3.5 pin
Screen Display	Reverse / normal switchable (R->N)
Power Consumption	12VDC, 600mA (8W max.)
Power Source	9VDC~20VDC, 2.0 pin
Dimensions (W x H x D)	162 x 133 x 54mm/6.4" x 5.2" x 2.1"
Operating Temperature	0°C~60°C / 32°F~140°F

Mounting Brackets



BA01 BA10 BA11 BA-EHD BA-ED

Specifications

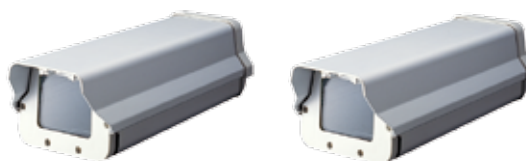
Dome Brackets

Model Name	Description
BA-ED	Plastic "L" style mounting bracket for ED series mini domes. 146.7 x 121 x 66mm/5.75" x 4.75" x 2.6" (L x W x H)
BA-EHD (L x W x H)	Aluminum "L" style mounting bracket for EHD series vandal Domes. 169 x 146 x 110 mm/6.7" x 5.7" x 4.3"
BA-EDMS (L x W x H)	Aluminum "L" style mounting bracket for ED550, ED560, EDN800. 169 x 146 x 110 mm/6.7" x 5.7" x 4.3"
BA10	Ceiling mount bracket for EPD200 (624mm/24.6" long)
BA11	Ceiling mount bracket for EPD200 (300mm/12" long)

Box Camera Brackets

Model Name	Description
BA-01 (W x H)	Mounting bracket. Aluminum. Max. load: 3kg/6.6lbs 57 x 165mm/2.2" x 6.5"
BA-03 (W x H)	Mounting bracket. Plastic. Max load: 35kg/7.7lbs 80 x 160mm/3.1" x 6.3"
BA-05 (W x H)	Mounting bracket. Aluminum. Max. Load: 10kg/22lbs 84 x 294mm/3.3" x 11.6"

Camera Housing



Specifications

Model Name	Description
FH-7153 (L x W x H)	Outdoor camera housing with top cover and lock. Aluminum. 352 x 113 x 106mm/13.9" x 4.5" x 4.2"
FH-7153H (L x W x H)	Outdoor camera housing with top cover, lock and heater. 24VAC, 17W power consumption. Aluminum. 352 x 113 x 106mm/13.9" x 4.5" x 4.2"
FH-7153HB (L x W x H)	Outdoor camera housing with top cover, lock, heater and blower. 24VAC, 18.7W power consumption. Aluminum. 373 x 140 x 115mm/14.7" x 5.5" x 4.5"

EIR20/50

20m/50m IR Illuminator



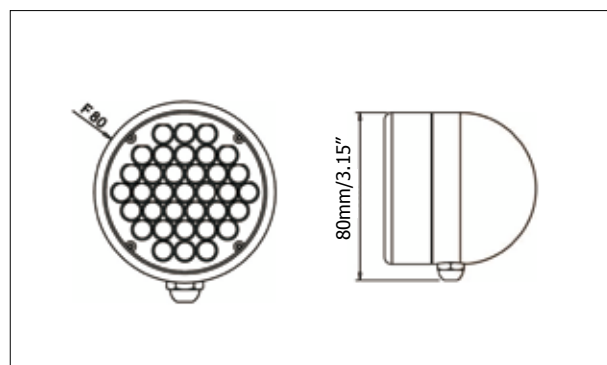
Features

- Up to 50m/164ft. of IR range (EIR50)
- Up to 20m/66ft. of IR range (EIR20)
- Compact size for discreet surveillance
- Compact Standalone design for flexible application
- Improve image quality in complete darkness and/or in low-light conditions
- Built-in sensor will automatically turn on illuminator at night and off during the daytime
- Weatherproof design and IP66 rated

Specifications

Model Name	EIR50	EIR20
IR Distance	50m/164ft.	20m/66ft.
IR Wavelength	850nm	
Power Source	12VDC	
Power Consumption	6W max.	
Weatherproof Ratings	IP66	
Operating Temperature	-10°C~50°C / 140°F~122°F (20%~80% humidity)	
Dimensions (D × H)	80 × 88.5mm/3.15" × 3.48" (w/out bracket) 80 × 148mm/3.6" × 5.83" (with bracket)	
Weight	0.33kg/0.73lbs (with bracket)	

Dimensions



EIR100

70m IR Illuminator for use w/EZ550



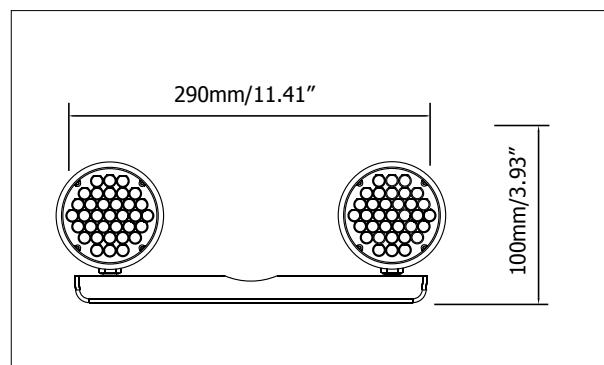
Features

- Up to 70m/230ft. of IR range
- Improve image quality in complete darkness and/or in low-light conditions
- Built-in with EZ550, will automatically turn on illuminator at night and off during the daytime
- Weatherproof design and IP66 rated
- Designed to enhance low light performance for EZ550 only

Specifications

IR Distance	70m/230ft.
IR Wavelength	850nm
Power Source	12VDC
Power Consumption	12W max.
Weatherproof Ratings	IP66
Operating Temperature	-10°C~50°C / 140°F~122°F (20%~80% humidity)
Dimensions (L×W×H)	200 × 290 × 100mm/7.87" × 11.41" × 3.93"
Weight	0.76kg/1.67lbs

Dimensions



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This image shows a full page of white paper with horizontal blue ruling lines. The word "MEMO" is printed at the top center in a large, bold, black sans-serif font. Below the title, there are approximately 28 evenly spaced horizontal lines extending across the width of the page, providing space for writing.